

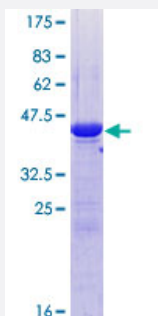
Full-Length

## UBE2G1 (Human) Recombinant Protein (P01)

Catalog # H00007326-P01

Size 25 ug, 10 ug

### Applications



### Specification

|                                |                                                                                                                                                                                    |
|--------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Description</b>     | Human UBE2G1 full-length ORF ( AAH02775, 1 a.a. - 170 a.a.) recombinant protein with GST-tag at N-terminal.                                                                        |
| <b>Sequence</b>                | MTELQSALLRRQLAELNKNPVEGFSA GLIDDNDLYRWEVLIIGPPDTLYEGGVFKAHLTFPKDYPL<br>RPPKMKFITEMHPNVDKNGDVCISILHEPGEDKYGYEKPEERWLPIHTVETIMISVISMLADPNGDS<br>PANVDAAKEWREDRNGEFKRKVARCVRKSQETA FE |
| <b>Host</b>                    | Wheat Germ (in vitro)                                                                                                                                                              |
| <b>Theoretical MW (kDa)</b>    | 44.44                                                                                                                                                                              |
| <b>Preparation Method</b>      | <a href="#">in vitro wheat germ expression system</a>                                                                                                                              |
| <b>Purification</b>            | Glutathione Sepharose 4 Fast Flow                                                                                                                                                  |
| <b>Quality Control Testing</b> | 12.5% SDS-PAGE Stained with Coomassie Blue.                                                                                                                                        |
| <b>Storage Buffer</b>          | 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.                                                                                                           |
| <b>Storage Instruction</b>     | Store at -80°C. Aliquot to avoid repeated freezing and thawing.                                                                                                                    |
| <b>Note</b>                    | Best use within three months from the date of receipt of this protein.                                                                                                             |

## Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

## Gene Info — UBE2G1

|                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|---------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Entrez GeneID       | <a href="#">7326</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| GeneBank Accession# | <a href="#">BC002775</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Protein Accession#  | <a href="#">AAH02775</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Gene Name           | UBE2G1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Gene Alias          | E217K, UBC7, UBE2G                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Gene Description    | ubiquitin-conjugating enzyme E2G 1 (UBC7 homolog, yeast)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Omim ID             | <a href="#">601569</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Gene Ontology       | <a href="#">Hyperlink</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Gene Summary        | The modification of proteins with ubiquitin is an important cellular mechanism for targeting abnormal or short-lived proteins for degradation. Ubiquitination involves at least three classes of enzymes: ubiquitin-activating enzymes, or E1s, ubiquitin-conjugating enzymes, or E2s, and ubiquitin-protein ligases, or E3s. This gene encodes a member of the E2 ubiquitin-conjugating enzyme family and catalyzes the covalent attachment of ubiquitin to other proteins. The protein may be involved in degradation of muscle-specific proteins. [provided by RefSeq] |
| Other Designations  | ubiquitin carrier protein G1 ubiquitin-conjugating enzyme E2G 1 ubiquitin-conjugating enzyme E2G 1 (UBC7 homolog, C. elegans) ubiquitin-conjugating enzyme E2G 1 (homologous to C. elegans UBC7) ubiquitin-protein ligase G1                                                                                                                                                                                                                                                                                                                                              |

## Pathway

- [Ubiquitin mediated proteolysis](#)