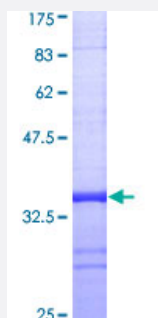


# UBB (Human) Recombinant Protein (Q01)

Catalog # H00007314-Q01

Size 25 ug, 10 ug

## Applications



## Specification

<b>Product Description</b>	Human UBB partial ORF ( AAH09301, 1 a.a. - 76 a.a.) recombinant protein with GST-tag at N-terminal.
<b>Sequence</b>	MQIFVKLTGKTTITLEVEPSDTIENVKAKIQDKEGIPPDQQRLIFAGKQLEDGRTLSDYNIQKESTLHLVLRLRGG
<b>Host</b>	Wheat Germ (in vitro)
<b>Theoretical MW (kDa)</b>	34.1
<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 — UBB

Entrez GeneID [7314](#)

GeneBank Accession# [BC009301](#)

Protein Accession# [AAH09301](#)

Gene Name UBB

Gene Alias FLJ25987, MGC8385

Gene Description ubiquitin B

Omim ID [191339](#)

Gene Ontology [Hyperlink](#)

**Gene Summary** This gene encodes ubiquitin, one of the most conserved proteins known. Ubiquitin is required for ATP-dependent, nonlysosomal intracellular protein degradation of abnormal proteins and normal proteins with a rapid turnover. Ubiquitin is covalently bound to proteins to be degraded, and presumably labels these proteins for degradation. Ubiquitin also binds to histone H2A in actively transcribed regions but does not cause histone H2A degradation, suggesting that ubiquitin is also involved in regulation of gene expression. This gene consists of three direct repeats of the ubiquitin coding sequence with no spacer sequence. Consequently, the protein is expressed as a polyubiquitin precursor with a final amino acid after the last repeat. Aberrant form of this protein has been noticed in patients with Alzheimer's and Down syndrome. [provided by RefSeq]

**Other Designations** OTTHUMP00000064960|OTTHUMP00000064961|polyubiquitin B