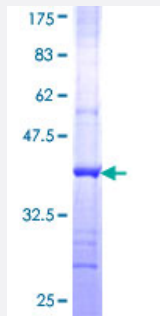


# EIF2AK4 (Human) Recombinant Protein (Q01)

Catalog # H00440275-Q01

Size 25 ug, 10 ug

## Applications



## Specification

|                                      |                                                                                                                   |
|--------------------------------------|-------------------------------------------------------------------------------------------------------------------|
| <b>Product Description</b>           | Human EIF2AK4 partial ORF ( NP_001013725, 1401 a.a. - 1500 a.a.) recombinant protein with GS T-tag at N-terminal. |
| <b>Sequence</b>                      | VVSVGQMSMSRAINLTQKLWTAGITAEIMYDWSQSQEELQEYCRHHEITYVALVSDKEGSHVKVK<br>SFEKERQTEKRVLETETLDHVLQKLRTKVTDERNG          |
| <b>Host</b>                          | Wheat Germ (in vitro)                                                                                             |
| <b>Theoretical MW (kDa)</b>          | 36.74                                                                                                             |
| <b>Interspecies Antigen Sequence</b> | Mouse (96); Rat (95)                                                                                              |
| <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 — EIF2AK4

|                     |                                                                                                                                                                                                                                                                                       |
|---------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Entrez GeneID       | <a href="#">440275</a>                                                                                                                                                                                                                                                                |
| GeneBank Accession# | <a href="#">NM_001013703</a>                                                                                                                                                                                                                                                          |
| Protein Accession#  | <a href="#">NP_001013725</a>                                                                                                                                                                                                                                                          |
| Gene Name           | EIF2AK4                                                                                                                                                                                                                                                                               |
| Gene Alias          | GCN2, KIAA1338                                                                                                                                                                                                                                                                        |
| Gene Description    | eukaryotic translation initiation factor 2 alpha kinase 4                                                                                                                                                                                                                             |
| Omim ID             | <a href="#">609280</a>                                                                                                                                                                                                                                                                |
| Gene Ontology       | <a href="#">Hyperlink</a>                                                                                                                                                                                                                                                             |
| Gene Summary        | EIF2AK4 belongs to a family of kinases that phosphorylate the alpha subunit of eukaryotic translation initiation factor-2 (EIF2S1; MIM 603907) to downregulate protein synthesis in response to varied cellular stresses (Berlanga et al., 1999 [PubMed 10504407]).[supplied by OMIM] |
| Other Designations  | GCN2 eIF2alpha kinase                                                                                                                                                                                                                                                                 |