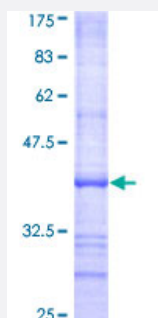


EIF2AK1 (Human) Recombinant Protein (Q01)

Catalog # H00027102-Q01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human EIF2AK1 partial ORF (AAH06524, 81 a.a. - 180 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	EPNPLRSRQVFKLLCQTFIKMGLLSSFTCSDEFSSLRLHHNRAITHLMRSAKERVVRQDPCEDISRIQKIRSREVALEAQTSTRYLNEFEELAILGKGGYGR
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	36.41
Interspecies Antigen Sequence	Mouse (82); Rat (82)
Preparation Method	in vitro wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	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 — EIF2AK1

Entrez GeneID [27102](#)

GeneBank Accession# [BC006524](#)

Protein Accession# [AAH06524](#)

Gene Name EIF2AK1

Gene Alias HCR, HRI, KIAA1369

Gene Description eukaryotic translation initiation factor 2-alpha kinase 1

Gene Ontology [Hyperlink](#)

Gene Summary The protein encoded by this gene acts at the level of translation initiation to downregulate protein synthesis in response to stress. The encoded protein is a kinase that can be inactivated by hemin . Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq]

Other Designations heme regulated initiation factor 2 alpha kinase|heme sensitive initiation factor 2a kinase|heme-regulated inhibitor|heme-regulated initiation factor 2-alpha kinase|heme-regulated repressor

Disease

- [Cerebral Hemorrhage](#)
- [Genetic Predisposition to Disease](#)
- [Hypertension](#)
- [Intracranial Hemorrhages](#)

- [Kidney Failure](#)
- [Stroke](#)
- [Subarachnoid Hemorrhage](#)