

Bioactive

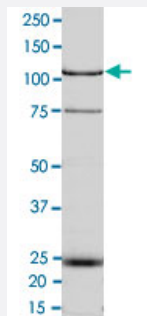
Full-Length

EIF2AK1 (Human) Recombinant Protein

Catalog # P4701

Size 100 ug

Applications



Result of activity analysis

Result of activity analysis

□

Specification

Product Description	Human EIF2AK1 (NM_014413.2, 1 a.a. - 630 a.a.) full-length recombinant protein, Δ 244, with GST-His6 tag at N-terminal with a Thrombin cleavage site expressed in Sf9 cells.
Host	insect
Theoretical MW (kDa)	100.546
Form	Liquid
Preparation Method	Insect cell (Sf9) expression system
Purification	GST affinity chromatography
Concentration	0.030 ug/uL

Activity	3 pmol/ug x min
Quality Control Testing	2 ug/lane SDS-PAGE Stained with Coomassie Blue
Storage Buffer	In 50 mM Hepes, 100 mM NaCl, pH 7.5. (5 mM DTT, 4 mM reduced glutathione, 20% glycerol)
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing
Note	Result of activity analysis Result of activity analysis

Applications

- Functional Study
- SDS-PAGE

Gene Info — EIF2AK1

Entrez GeneID	27102
Protein Accession#	NM_014413.2
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](#)