

Recombinant Full Length Human EIF2AK1 Protein, GST-tagged

Cat. No. EIF2AK1-4487HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human EIF2AK1 full-length ORF (NP_055228.2, 1 a.a. - 630 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	630 amino acids
Description	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, Aug 2008]
Molecular Mass	97.5 kDa
AA Sequence	MQGGNSGVRKREEEGDGAGAVAAPPAIDFPAEGPDPEYDESDVPAEIQVLKEPLQ QPTFPFAVANQLLLVSLLEHLSHVHEPNPLRSRQVFKLLCQTFIKMGLLSSFTCSDEF SSLRLHHNRAITHLMRSAKERVQRQDPCEDISRIQKIRSREVALEAQTSTRYLNEFEELAI LGKGGYGRVYKVRNKLDGQYYAIKKILIKGATKTVCMKVLREVKVLAGLQHPNIVGY HTAWIEHVHVIQPRADRAAIELPSLEVLSDQEEDREQCGVKNDESSSSSIIFAEPTPE KEKRFGESDTENQNNKSVKYTTNLVIRESGELESTLELQENGLAGLSASSIVEQQLP LRRNSHLEESFTSTEESEENVNFLGQTEAQYHMLHIQMQLCELSLWDWIVERNK RGREYVDESACPYVMANVATKIFQELVEGVFYIHNMGIVHRDLKPRNIFLHGPDQQV

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KIGDFGLACTDILQKNTDWTNRNGKRTPTHTSRVGTCLYASPEQLEGSEYDAKSDM
YSLGVVLELFPFGTEMERA EVLTGLRTGQLPESLRKRCVPQAKYIQHLTRRNSSQ
RPSAIQLLQSELFQNSGNVNLTLQMKIIEQEKEIAELKKQLNLLSQDKGVRDDGKDG
GVG

Applications

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

Notes Best use within three months from the date of receipt of this protein.

Storage Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name EIF2AK1 eukaryotic translation initiation factor 2-alpha kinase 1 [Homo sapiens]

Official Symbol EIF2AK1

Synonyms

EIF2AK1; eukaryotic translation initiation factor 2-alpha kinase 1; heme regulated initiation factor 2 alpha kinase; HRI; KIAA1369; heme-regulated inhibitor; heme-regulated repressor; heme-controlled repressor; heme sensitive initiation factor 2a kinase; heme-regulated initiation factor 2-alpha kinase; hemin-sensitive initiation factor 2-alpha kinase; heme-regulated eukaryotic initiation factor eIF-2-alpha kinase; HCR;

Gene ID 27102

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mRNA Refseq	NM_001134335
Protein Refseq	NP_001127807
MIM	613635
UniProt ID	Q9BQI3

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