

# Recombinant Full Length Human EIF2AK1 Protein, GST-tagged

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

## SPECIFICATION

<b>Product Overview</b>	Human EIF2AK1 full-length ORF ( NP_055228.2, 1 a.a. - 630 a.a.) recombinant protein with GST-tag at N-terminal.
<b>Species</b>	Human
<b>Source</b>	In Vitro Cell Free System
<b>ProteinLength</b>	630 amino acids
<b>Description</b>	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]
<b>Molecular Mass</b>	97.5 kDa
<b>AA Sequence</b>	<p>MQGGNSGVRKREEEGDGAGAVAAPPAIDFPAEGPDPEYDESDVPAEIQVLKEPLQ  QPTFPFAVANQLLLVSLLEHLHSHVHEPNPLRSRQVFKLLCQTFIKMGLLSSFTCSDEF  SSLRLHHNRAITHLMRSAKERVQRDPCEDISRIQKIRSREVALEAQTSTRYLNEFEELAI  LGKGGYGRVYKVRNKLDGQYYAIKKILIKGATKTVCMKVLREVKVLAGLQHPNIVGY  HTAWIEHVHVIQPRADRAAIELPSLEVLSDQEEDREQCGVKNDESSSSSIIFAEPTPE  KEKRFGESDTENQNNKSVKYTTNLVIRESGELESTLELQENGLAGLSASSIVEQQLP  LRRNSHLEESFTSTEESEENVNFLGQTEAQYHLMLHIQMQLCELSLWDWIVERNK  RGREYVDESACPYVMANVATKIFQELVEGVFYIHNMGIVHRDLKPRNIFLHGPDQQV</p>

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

KIGDFGLACTDILQKNTDWTNRNGKRTPHTSRVGTCLYASPEQLEGSEYDAKSDM  
 YSLGVVLELFQPFGTEMERAEVLTGLRTGQLPESLRKRCPVQAKYIQHLTRRNSSQ  
 RPSAIQLLQSELFQNSGNVNLTLQMKIIEQEKEIAELKKQLNLLSQDKGVRDDGKDG  
 GVG

<b>Applications</b>	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array
<b>Notes</b>	Best use within three months from the date of receipt of this protein.
<b>Storage</b>	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
<b>Storage Buffer</b>	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

## GENE INFORMATION

<b>Gene Name</b>	EIF2AK1 eukaryotic translation initiation factor 2-alpha kinase 1 [ Homo sapiens ]
<b>Official Symbol</b>	EIF2AK1
<b>Synonyms</b>	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;
<b>Gene ID</b>	27102

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<b>mRNA Refseq</b>	NM_001134335
<b>Protein Refseq</b>	NP_001127807
<b>MIM</b>	613635
<b>UniProt ID</b>	Q9BQI3

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