

Recombinant Human EIF2AK2 Protein, GST-tagged

Cat. No. EIF2AK2-3149H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human EIF2AK2 partial ORF (NP_002750, 1 a.a. - 100 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
Description	The protein encoded by this gene is a serine/threonine protein kinase that is activated by autophosphorylation after binding to dsRNA. The activated form of the encoded protein can phosphorylate translation initiation factor EIF2S1, which in turn inhibits protein synthesis. This protein is also activated by manganese ions and heparin. Three transcript variants encoding two different isoforms have been found for this gene. [provided by RefSeq, Oct 2011]
Molecular Mass	36.74 kDa
AA Sequence	MAGDLSAGFFMEELNTYRQKQGVVLKYQELPNSGPPHRRFTFQVIIDGREFPEGE GRSKKEAKNAAAKLAVEILNKEKKAVSPLLLTTTNSSEGLSMGN
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.

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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 EIF2AK2 eukaryotic translation initiation factor 2-alpha kinase 2 [Homo sapiens]

Official Symbol EIF2AK2

Synonyms

EIF2AK2; eukaryotic translation initiation factor 2-alpha kinase 2; PRKR, protein kinase, interferon inducible double stranded RNA dependent; interferon-induced, double-stranded RNA-activated protein kinase; EIF2AK1; PKR; p68 kinase; eIF-2A protein kinase 2; P1/eIF-2A protein kinase; tyrosine-protein kinase EIF2AK2; interferon-inducible eIF2alpha kinase; double stranded RNA activated protein kinase; protein kinase, interferon-inducible double stranded RNA dependent; PRKR; MGC126524;

Gene ID 5610

mRNA Refseq NM_001135651

Protein Refseq NP_001129123

MIM 176871

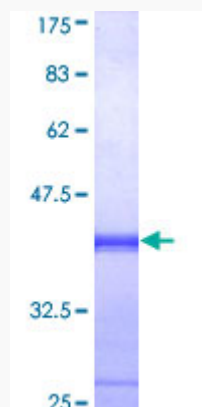
UniProt ID P19525

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**Quality Control
Testing**



12.5% SDS-PAGE Stained with Coomassie Blue.

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