

Recombinant Human EIF2AK1 cell lysate

Cat. No. EIF2AK1-538HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
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.
Size	100 ul
Storage Buffer	1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)
Applications	Western Blot;

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

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	factor 2-alpha kinase; heme-regulated eukaryotic initiation factor eIF-2-alpha kinase; HCR;
Gene ID	27102
mRNA Refseq	NM_001134335
Protein Refseq	NP_001127807
MIM	613635
UniProt ID	Q9BQI3
Chromosome Location	7p22
Pathway	Hepatitis C, organism-specific biosystem; Hepatitis C, conserved biosystem; Herpes simplex infection, organism-specific biosystem; Herpes simplex infection, conserved biosystem; Influenza A, organism-specific biosystem; Influenza A, conserved biosystem; Measles, organism-specific biosystem;
Function	ATP binding; eukaryotic translation initiation factor 2alpha kinase activity; heme binding; nucleotide binding; protein homodimerization activity;