Recombinant Human EIF2AK1 Protein, His-tagged

Cat. No. EIF2AK1-1412H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human EIF2AK1 Protein (Phe167-Phe583) with N-His tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Phe167-Phe583
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.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 51.1 kDa Accurate Molecular Mass: 51 kDa
Purity	> 90%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for

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	48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in PBS or others.

GENE INFORMATION

Gene Name	EIF2AK1 eukaryotic translation initiation factor 2-alpha kinase 1 [Homo sapiens (human)]
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
mRNA Refseq	NM_001134335
Protein Refseq	NP_001127807
MIM	613635

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UniProt ID	Q9BQI3

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