

Recombinant Human EIF2AK4 Protein, His-tagged

Cat. No. EIF2AK4-1414H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human EIF2AK4 Protein (Val296-Ile539) with N-His tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Val296-Ile539
Description	This gene encodes a member of a family of kinases that phosphorylate the alpha subunit of eukaryotic translation initiation factor-2 (EIF2), resulting in the downregulation of protein synthesis. The encoded protein responds to amino acid deprivation by binding uncharged transfer RNAs. It may also be activated by glucose deprivation and viral infection. Mutations in this gene have been found in individuals suffering from autosomal recessive pulmonary venoocclusive-disease-2.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 31.3 kDa Accurate Molecular Mass: 31 kDa
Purity	> 90%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.

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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 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	EIF2AK4 eukaryotic translation initiation factor 2 alpha kinase 4 [Homo sapiens (human)]
Official Symbol	EIF2AK4
Synonyms	EIF2AK4; eukaryotic translation initiation factor 2 alpha kinase 4; eukaryotic translation initiation factor 2-alpha kinase 4; GCN2; KIAA1338; GCN2-like protein; GCN2 eIF2alpha kinase;
Gene ID	440275
mRNA Refseq	NM_001013703
Protein Refseq	NP_001013725
MIM	609280

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UniProt ID

Q9P2K8

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