

Recombinant Human EIF2AK1 protein, His-tagged

Cat. No. EIF2AK1-12349H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human EIF2AK1 protein(281-630 aa), fused with His tag, was expressed from E. coli.
Species	Human
Source	E.coli
ProteinLength	281-630 aa
Form	The purified protein was Lyophilized from sterile PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH7.4). 5 % trehalose and 5 % mannitol are added as protectant before lyophilization. The elution buffer contain 300mM imidazole.
AA Sequence	FAEPTPEKEKRFGESDTENQNNKSVKYTTNLVIRESGELESTLELQENGLAGLSASSI VEQQLPLRRNSHLEESFTSTEESEENVNFLGQTEAQYHLMLHIQMLCELSLWDW IVERNKRGREYVDESACPYVMANVATKIFQELVEGVFYIHNMGIVHRDLKPRNIFLHG PDQQVKIGDFGLACTDILQKNTDWTNRNGKRTPTHTSRVGTCLYASPEQLEGSEYD AKSDMYSLGVVLELFPFGTEMERA EVLTGLRTGQLPESLRKRCVPQAKYIQHLTR RNSSQRPSAIQLLQSELFQNSGNVNLTLQMKIIEQEKEIAELKKQLNLLSQDKGVRDD GKDGGVG
Purity	85%, by SDS-PAGE with Coomassie Brilliant Blue staining.
Storage	Short-term storage: Store at 2-8°C for (1-2 weeks). Long-term storage: Aliquot and store at -20°C to -80°C for up to 3 months, buffer

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containing 50% glycerol is recommended for reconstitution. Avoid repeat freeze-thaw cycles.

Reconstitution

Reconstitute at 0.25 µg/µl in 200 µl sterile water for short-term storage.
Reconstitution with 200 µl 50% glycerol solution is recommended for longer term storage.

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 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

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