

Recombinant Human EIF2AK3 Protein, MYC/DDK-tagged

Cat. No. EIF2AK3-337H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human EIF2AK3 fused with MYC/DDK tag at C-terminal was expressed in HEK293.
Species	Human
Source	HEK293
Description	The protein encoded by this gene phosphorylates the alpha subunit of eukaryotic translation-initiation factor 2, leading to its inactivation, and thus to a rapid reduction of translational initiation and repression of global protein synthesis. This protein is thought to modulate mitochondrial function. It is a type I membrane protein located in the endoplasmic reticulum (ER), where it is induced by ER stress caused by malfolded proteins. Mutations in this gene are associated with Wolcott-Rallison syndrome.
Form	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	122.1 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration	>50 ug/mL as determined by microplate BCA method

GENE INFORMATION

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Gene Name	EIF2AK3 eukaryotic translation initiation factor 2-alpha kinase 3 [Homo sapiens]
Official Symbol	EIF2AK3
Synonyms	EIF2AK3; eukaryotic translation initiation factor 2-alpha kinase 3; PEK; PERK; hsPEK; pancreatic EIF2-alpha kinase; PRKR-like endoplasmic reticulum kinase; eukaryotic translation initiation factor 2 alpha kinase 3; WRS; DKFZp781H1925;
Gene ID	9451
mRNA Refseq	NM_004836
Protein Refseq	NP_004827
MIM	604032
UniProt ID	Q9NZJ5

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