

Recombinant Human EIF2AK3 Protein, GST-tagged

Cat. No. EIF2AK3-3151H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human EIF2AK3 partial ORF (NP_002437, 665 a.a. - 764 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
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 malformed proteins. Mutations in this gene are associated with Wolcott-Rallison syndrome. [provided by RefSeq, Sep 2015]
Molecular Mass	36.63 kDa
AA Sequence	KWQEKMDIEWLKDESTDWPLSSPSPMDAPSVKIRRMDFSTKEHIEIIAPSPQRSRS FSVGISCDQTSSSESQFSPLEFSGMDHEDISESVDAAYNLQDS
Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array

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Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

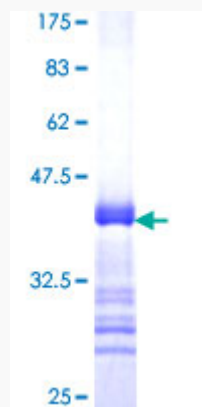
Gene Name	EIF2AK3 eukaryotic translation initiation factor 2-alpha kinase 3 [Homo sapiens]
Official Symbol	EIF2AK3
Synonyms	EIF2AK3; eukaryotic translation initiation factor 2-alpha kinase 3; PEK; PERK; hsPEK; pancreatic EIF2-alpha kinase; PRKR-like endoplasmic reticulum kinase; eukaryotic translation 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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**Quality Control
Testing**



12.5% SDS-PAGE Stained with Coomassie Blue.

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