

## Recombinant Human EIF2AK3 Protein, GST-tagged

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

### SPECIFICATION

<b>Product Overview</b>	Human EIF2AK3 partial ORF ( NP_002437, 665 a.a. - 764 a.a.) recombinant protein with GST-tag at N-terminal.
<b>Species</b>	Human
<b>Source</b>	Wheat Germ
<b>Description</b>	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]
<b>Molecular Mass</b>	36.63 kDa
<b>AA Sequence</b>	KWQEKMDEIWLKDESTDWPLSSPSPMDAPSVKIRRMDPFSTKEHIEIIAPSPQRSRS FSVGISCDQTSSSESQFSPLEFSGMDHEDISESVDAAYNLQDS
<b>Applications</b>	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array

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

## GENE INFORMATION

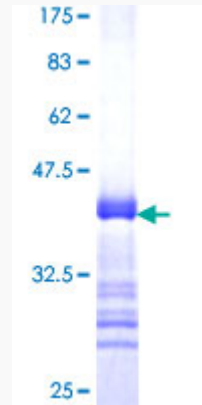
<b>Gene Name</b>	EIF2AK3 eukaryotic translation initiation factor 2-alpha kinase 3 [ Homo sapiens ]
<b>Official Symbol</b>	EIF2AK3
<b>Synonyms</b>	EIF2AK3; eukaryotic translation initiation factor 2-alpha kinase 3; PEK; PERK; hsPEK; pancreatic EIF2-alpha kinase; PRKR-like endoplasmic reticulum kinase;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

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**Quality Control  
Testing**



12.5% SDS-PAGE Stained with Coomassie Blue.

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