Eukaryotic Translation Initiation Factor 2 Alpha Kinase 3 Recombinant Protein | EIF2aK3 recombinant protein

Recombinant Eukaryotic Translation Initiation Factor 2 Alpha Kinase 3 (EIF2aK3)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA144096	**E.coli**	**Mus musculus (Mouse)**	**Western Blot, SDS-Page**

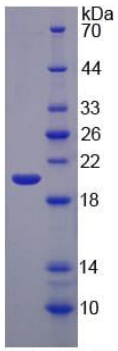
PRODUCT SYNONYMS

Eukaryotic Translation Initiation Factor 2 Alpha Kinase 3; Recombinant Eukaryotic Translation Initiation Factor 2 Alpha Kinase 3 (EIF2aK3); EIF2aK3 recombinant protein

PRODUCT SPECIFICATIONS

Host	E.coli
Reactivity	Mus musculus (Mouse)
Purity/Purification	> 90%
Form/Format	PBS, pH7.4, containing 0.01% SKL, 5% Trehalose .
Concentration	Original Concentration: 1000ug/mL (varies by lot)
Applicable Applications for EIF2aK3 recombinant protein	WB (Western Blot), SDS-PAGE, Immunogen, Positive Control
Source	Prokaryotic expression
Residues	Met973~Asn1114
Tags	N-terminal His Tag
Subcellular Location	Membrane
Traits	Freeze-dried powder
Predicted isoelectric point	7.9
Usage	Reconstitute in 10mM PBS (pH7.4) to a concentration of 0.1-1.0 mg/mL. Do not vortex.
Preparation and Storage	**Storage:** Avoid repeated freeze/thaw cycles. Store at 2-8 degree C for one month. Aliquot and store at -80 degree C for 12 months. **Stability Test:** 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 degree C 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.

IMAGES



15% SDS-PAGE

SDS-PAGE

MPAYATHT GQVGTKLYMS PEQIHGNNYS
HKVDIFSLGL ILFELLYPFS TQMERVRILT DVRNLKFPLL FTQKYPQEHM
MVQDMLSPSP TERPEATDII ENAIFENLEF PGKTVLRQRS RSMSSSGTKH
SRQPSCSYSP LPGN

Sequence

NCBI AND UNIPROT INFORMATION

NCBI GI #	134304838
NCBI GeneID	9451
NCBI Accession #	NP_004827.4
NCBI GenBank Nucleotide #	NM_004836.5
Molecular Weight	Predicted Molecular Mass: 19.9kDa Accurate Molecular Mass: 20kDa as determined by SDS-PAGE reducing conditions.
NCBI Official Full Name	eukaryotic translation initiation factor 2-alpha kinase 3
NCBI Official Synonym Full Names	eukaryotic translation initiation factor 2-alpha kinase 3
NCBI Official Symbol	EIF2AK3
NCBI Official Synonym Symbols	PEK; WRS; PERK
NCBI Protein Information	eukaryotic translation initiation factor 2-alpha kinase 3
UniProt Protein Name	Eukaryotic translation initiation factor 2-alpha kinase 3
UniProt Gene Name	**EIF2AK3**
UniProt Synonym Gene Names	PEK; PERK; HsPEK
UniProt Entry Name	E2AK3_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: https://www.aaabiotech.com/eif2ak3-recombinant-protein-e-coli-wb-western-blot-sds-page-immunogen-positive-control/144096