

EEF2K recombinant protein

EEF2K, Active

CATALOG # AAA73429	HOST Sf9 insect cells	APPLICATIONS Western Blot
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PRODUCT SYNONYMS

EEF2K; Active; eEF-2K; HSU93850; MGC45041; EEF2K recombinant protein

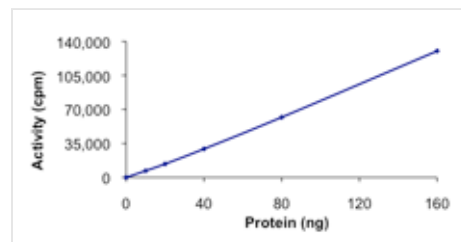
PRODUCT SPECIFICATIONS

Host	Sf9 insect cells
Form/Format	Recombinant protein stored in 50mM Tris-HCl, pH7.5, 150mM NaCl, 10mM glutathione, 0.1mM EDTA, 0.25mM DTT, 0.1mM PMSF, 25% glycerol.
Applicable Applications for EEF2K recombinant protein	WB (Western Blot), Kinase Assay
Tag	GST
Species	Human
Dry Ice Note	The product may be shipped with dry ice, and an additional fee may be added to your shipping cost.
Preparation and Storage	Store product at -70 degree C. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles.

IMAGES


SDS-PAGE

Purity: Sample Purity Data. For specific information on a given lot, see related technical data sheet.


Activity

Specific Activity: Sample Kinase Activity Plot. For specific information on a given lot, see related technical data sheet.

ADDITIONAL INFORMATION

Related Product Information for EEF2K recombinant protein	Recombinant full-length human EEF2K was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag. The gene accession number is NM_013302. EEF2K is a highly conserved calmodulin-dependent protein kinase that links activation of cell surface receptors to cell division. EEF2K is involved in the regulation of protein synthesis. It phosphorylates eukaryotic elongation factor 2 (EEF2), an abundant cytoplasmic protein that catalyzes the movement of the ribosome along mRNA during translation in eukaryotic cells, and inhibits the EEF2 function (1). EEF2K is highly expressed in heart and skeletal muscle, suggesting that EEF2 phosphorylation may be particularly important in muscle. EEF2K is highly expressed in patients with systemic lupus erythematosus (2) as well as in many cancers.
Product Categories/Family for EEF2K recombinant protein	Protein Kinases ; AKT/PKB Pathway ; Apoptosis/Autophagy ; Cancer ; Cardiovascular Disease ; Cellular Stress ; Metabolic Disorder ; Neurobiology ; Ser/Thr Kinases

References

1. Ryazanov, A. G. et al; Identification of a new class of protein kinases represented by eukaryotic elongation factor-2 kinase. Proc. Nat. Acad. Sci. 94: 4884-4889, 1997.
2. Arora, S. et al; Detection of anti-elongation factor 2 kinase (calmodulin-dependent protein kinase III) antibodies in patients with systemic lupus erythematosus. Biochem. Biophys. Res. Commun. 293: 1073-1076, 2002.

NCBI AND UNIPROT INFORMATION

NCBI GenBank Nucleotide #

[NM_013302](#)

Molecular Weight

~125kDa

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://stage.aaabiotech.com/eef2k-recombinant-protein-sf9-insect-cells-wb-western-blot-kinase-assay/73429>