ERK3 (MAPK6) Recombinant Protein | ERK3 recombinant protein

ERK3 (MAPK6), Active

CATALOG #	HOST	APPLICATIONS
AAA73675	**Sf9 insect cells**	**Western Blot**

PRODUCT SYNONYMS

ERK3 (MAPK6); Active; ERK3; MAPK6; HsT17250; p97MAPK; PRKM6; ERK3 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 ERK3 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 ERK3 recombinant protein	Recombinant full-length human ERK3 (MAPK6) was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag. This gene accession number is NM_002748. ERK3 (MAPK6) or mitogen-activated protein kinase 6 is a member of the Ser/Thr protein kinase family, and is most closely related to mitogen-activated protein kinases (MAP kinases) which also known as extracellular signal-regulated kinases (ERKs) that are activated through protein phosphorylation cascades and act as integration points for multiple biochemical signals and tyrosine phosphorylated in response to insulin and NGF (1). ERK3 is highly expressed in various human tissues, most abundantly in skeletal muscle (2).
Product Categories/Family for ERK3 recombinant protein	Protein Kinases; Angiogenesis; Apoptosis/Autophagy; Cancer; Cardiovascular Disease; ERK/MAPK Pathway; Invasion/Metastasis; Neurobiology; Ser/Thr Kinases
References	1. Boulton, T. G.et.al: ERKs: a family of protein-serine/threonine kinases that are activated and tyrosine phosphorylated in response to insulin and NGF. Cell 65: 663-675, 1991. 2. Meloche, S. et.al: Primary structure, expression and chromosomal locus of a human homolog of rat ERK3. Oncogene 13: 1575-1579, 1996.

NCBI AND UNIPROT INFORMATION

NCBI GenBank Nucleotide #	NM_002748
Molecular Weight	~135kDa

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/erk3-mapk6-recombinant-protein-sf9-insect-cells-wb-western-blot-kinase-assay/73675