

LIMK2 recombinant protein

LIMK2, Active

CATALOG # AAA73641	HOST Sf9 insect cells	APPLICATIONS Western Blot
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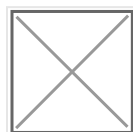
PRODUCT SYNONYMS

LIMK2; Active; LIMK2 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 LIMK2 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 LIMK2 recombinant protein	Recombinant full-length human LIMK2 was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag. The gene accession number is CR456513. LIMK2 belong to a small subfamily with a unique combination of 2 N-terminal LIM motifs and a C-terminal protein kinase domain (1). LIM domains are highly conserved cysteine-rich structures that can mediate protein-protein interaction. LIMK2 is phosphorylated and activated by ROCK, a downstream effector of Rho, and then LIMK2 in turn phosphorylates cofilin, inhibiting its actin-depolymerizing activity which contributes to Rho-induced reorganization of the actin cytoskeleton (2). LIMK2 is highly expressed in liver, colon, stomach, spleen, brain, kidney, and placenta.
Product Categories/Family for LIMK2 recombinant protein	Protein Kinases ; Angiogenesis ; Cancer ; Cardiovascular Disease ; Invasion/Metastasis ; Ser/Thr Kinases
References	1. Okano, I. et.al: Identification and characterization of a novel family of serine/threonine kinases containing two N-terminal LIM motifs. J. Biol. Chem. 270: 31321-31330, 1995. 2. Maekawa, M. et.al: Signaling from Rho to the actin cytoskeleton through protein kinases ROCK and LIM-kinase. Science 285: 895-898, 1999.

NCBI AND UNIPROT INFORMATION

Molecular Weight	~96kDa
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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/lmk2-recombinant-protein-sf9-insect-cells-wb-western-blot-kinase-assay/73641>