

MATK (CTK) Recombinant Protein | MATK recombinant protein

MATK (CTK), Active

CATALOG # AAA73684	HOST Sf9 insect cells	APPLICATIONS Western Blot
------------------------------	---------------------------------	-------------------------------------

PRODUCT SYNONYMS

MATK (CTK); Active; CHK; CTK; HHYLTk; HYL; HYLTK; LSK; MATK 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 MATK 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 MATK recombinant protein	Full-length recombinant human MATK (CTK) was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag. The gene accession number is NM_139355. MATK belongs to tyrosine protein kinase family, CSK subfamily. It inactivates Src family kinase activity by specifically phosphorylating their C-terminal regulatory tyrosine residue and may plays a significant role in the signal transduction of hematopoietic cells (1). MATK binds to the phosphorylated Tyr568/570 sites on c-KIT to which FYN binds and leads to the down-regulation of FYN (2). MATK has been shown to be involved in signaling in some cases of breast cancer.
Product Categories/Family for MATK recombinant protein	Protein Kinases; Cancer; Cytoplasmic Tyrosine Kinases
References	1. Hirao A. et.al: Translocation of the Csk homologous kinase (Chk/Hyl) controls activity of CD36-anchored Lyn tyrosine kinase in thrombin-stimulated platelets. EMBO J. 16:2342-2351(1997). 2. Price D.J. et.al: Direct association of Csk homologous kinase (CHK) with the diphosphorylated site Tyr568/570 of the activated c-KIT in megakaryocytes. J. Biol. Chem. 272:5915-5920(1997).

NCBI AND UNIPROT INFORMATION

NCBI GenBank Nucleotide #	NM_139355
Molecular Weight	~83kDa

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/matk-ctk-recombinant-protein-sf9-insect-cells-wb-western-blot-kinase-assay/73684>