

Recombinant Human MATK Protein, GST-tagged

Cat. No. MATK-50H Lot. No. (See product label)

SPECIFICATION

Product Overview	Full-length recombinant human MATK (CTK) was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag.
Species	Human
Source	Insect cells
Description	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. MATK binds to the phosphorylated Tyr568/570 sites on c-KIT to which FYN binds and leads to the down-regulation of FYN. MATK has been shown to be involved in signaling in some cases of breast cancer.
Molecular Mass	~83 kDa
Applications	KA, WB
Storage	Store product at -70 centigrade. 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.
Storage Buffer	50mM Tris-HCl, pH 7.5, 150mM NaCl, 10mM glutathione, 0.1mM EDTA, 0.25mM DTT, 0.1mM PMSF, 25% glycerol.

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GENE INFORMATION

Gene Name MATK megakaryocyte-associated tyrosine kinase [Homo sapiens (human)]

Official Symbol MATK megakaryocyte-associated tyrosine kinase [Homo sapiens (human)]

Synonyms CHK; CTK; HHYLTk; HYL; HYLTK; LSK; MATK; megakaryocyte-associated tyrosine kinase; megakaryocyte-associated tyrosine-protein kinase; CSK homologous kinase; Csk-homologous kinase; Csk-type protein tyrosine kinase; HYL tyrosine kinase; hematopoietic consensus tyrosine-lacking kinase; hydroxyaryl-protein kinase; leukocyte carboxyl-terminal src kinase related; protein kinase HYL; tyrosine kinase MATK; tyrosine-protein kinase CTK; tyrosylprotein kinase; EC 2.7.10.2

Gene ID 4145

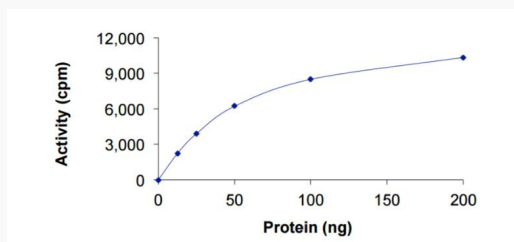
mRNA Refseq NM_002378

Protein Refseq NP_002369

MIM 600038

UniProt ID P42679

Specific Activity

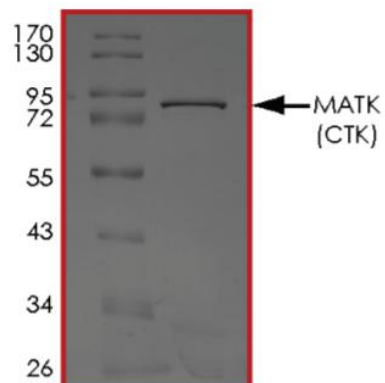


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Purity



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