

Product datasheet for **TP300454M**

MATK (NM_139354) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human megakaryocyte-associated tyrosine kinase (MATK), transcript variant 3, 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC200454 protein sequence Red =Cloning site Green =Tags(s)

MAGRGLVSWRAFHGCDSEELPRVSPRFLRAWHPPPVSARMPTRRWAPGTQCITKCEHTRPKPGELAFR
KGDVVTILEACENKSWYRVKHHTSGQEGLLAAGALREREALSADPKLSLMPWFHGKISGQEAQQLPPE
DGLFLVRESARHPGDYVLCVSFGRDVIHYRVLHRDGHILTIDEAVFFCNLMDMVEHYSKDKGAICTKLVRP
KRKHGTKSAEEELARAGWLLNLQHLLTGAQIGEGEFGAVLQGEYLGQKVAVKNIKCDVTAQAFLEDVAVM
TKMQHENLVRLGVLHQGLYIVMEHVSKGNLVNFLRTRGRALVNTAQLLQFSLHVAEGMEYLESKLVH
RDLAARNILVSEDLVAKVSDVDFGLAKAERKGLDSSRLPVKWTAPEALKHGKFTSKSDVWSFGVLLWEVFSY
GRAPYPKMSLKEVSEAVEKGYRMEPPEGCPGVHVLMSWCWEAEPARRPPFRKLAEKLARELSAGAPAS
VSGQDADGSTSPRSQEP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

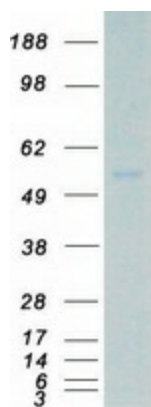
Tag:	C-Myc/DDK
Predicted MW:	51.7 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.



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Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_647611
Locus ID:	4145
UniProt ID:	P42679
RefSeq Size:	1940
Cytogenetics:	19p13.3
RefSeq ORF:	1521
Synonyms:	CHK; CTK; HHYLTk; HYL; HYLTK; Lsk
Summary:	The protein encoded by this gene has amino acid sequence similarity to Csk tyrosine kinase and has the structural features of the CSK subfamily: SRC homology SH2 and SH3 domains, a catalytic domain, a unique N terminus, lack of myristylation signals, lack of a negative regulatory phosphorylation site, and lack of an autophosphorylation site. This protein is thought to play a significant role in the signal transduction of hematopoietic cells. It is able to phosphorylate and inactivate Src family kinases, and may play an inhibitory role in the control of T-cell proliferation. This protein might be involved in signaling in some cases of breast cancer. Three alternatively spliced transcript variants that encode different isoforms have been described for this gene. [provided by RefSeq, Jul 2008]
Protein Families:	Druggable Genome, Protein Kinase, Stem cell - Pluripotency

Product images:



Coomassie blue staining of purified MATK protein (Cat# [TP300454]). The protein was produced from HEK293T cells transfected with MATK cDNA clone (Cat# [RC200454]) using MegaTran 2.0 (Cat# [TT210002]).