

## Product datasheet for **TP300454**

### **MATK (NM\_139354) Human Recombinant Protein**

#### **Product data:**

<b>Product Type:</b>	Recombinant Proteins
<b>Description:</b>	Recombinant protein of human megakaryocyte-associated tyrosine kinase (MATK), transcript variant 3, 20 µg
<b>Species:</b>	Human
<b>Expression Host:</b>	HEK293T
<b>Expression cDNA Clone or AA Sequence:</b>	>RC200454 protein sequence <b>Red</b> =Cloning site <b>Green</b> =Tags(s)

MAGRGLVSWRAFHGCDSEELPRVSPRFLRAWHPPPVSARMPTRRWAPGTQCITKCEHTRPKPGELAFR  
KGDVVTILEACENKSWYRVKHHTSGQEGLLAAGALREREALSADPKLSLMPWFHGKISGQEAQQQPPE  
DGLFLVRESARHPGDYVLCVSFGRDVIHYRVLHRDGHILTIDEAVFFCNLMDMVEHYSKDKGAICTKLVRP  
KRKHGTKSAEEELARAGWLLNLQHLLTGAQIGEGEFGAVLQGEYLGQKVAVKNIKCDVTAQAFLEDVAVM  
TKMQHENLVRLGVLHQGLYIVMEHVSNGNLVNLTRGRALVNTAQLLQFSLHVAEGMEYLESKLLVH  
RDLAARNILVSEDLVAKVSDVDFGLAKAERKGLDSSRLPVKWTAPEALKHGKFTSKSDVWSFGVLLWEVFSY  
GRAPYPKMSLKEVSEAVEKGYRMEPPEGCPGVHVLMSWCWEAEPARRPPFRKLAEKLARELSAGAPAS  
VSGQDADGSTSPRSQEP

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

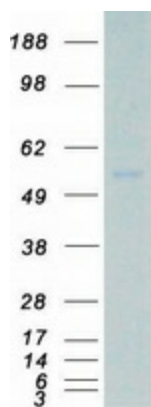
<b>Tag:</b>	C-Myc/DDK
<b>Predicted MW:</b>	51.7 kDa
<b>Concentration:</b>	>0.05 µg/µL as determined by microplate BCA method
<b>Purity:</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining
<b>Buffer:</b>	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
<b>Preparation:</b>	Recombinant protein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



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<b>Stability:</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>RefSeq:</b>	<a href="#">NP_647611</a>
<b>Locus ID:</b>	4145
<b>UniProt ID:</b>	<a href="#">P42679</a>
<b>RefSeq Size:</b>	1940
<b>Cytogenetics:</b>	19p13.3
<b>RefSeq ORF:</b>	1521
<b>Synonyms:</b>	CHK; CTK; HHYLTk; HYL; HYLTK; Lsk
<b>Summary:</b>	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]
<b>Protein Families:</b>	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]).