



# Recombinant Rat Megakaryocyte-associated tyrosine-protein kinase (Matk)

<b>Product Code</b>	CSB-EP013519RA
<b>Storage</b>	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
<b>Uniprot No.</b>	P41243
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Rattus norvegicus (Rat)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	MPTQRWAPGT QCMTKCENSR PKPGELAFRK GDMVTILEAC EDKSWYRAKH HSSGQEGLLA AAALRQREAL STDPKLSLMP WFHGKISGQE AIQQLQPPED GLFLVRESAR HPGDYVLCVS FGRDVIHYRV LHRDGHILTID EAVCFCNLMD MVEHYTRDKG AICTKLVKPK RKQGAKSAAE ELAKAGWLLD LQHLTLGAQI GEGEFGAVLQ GEYLGQKVAV KNIKCDVTAQ AFLDETAVMT KLQHRNLVRL LGVILHHGLY IVMEHVSKGN LVNFLRTRGR ALVSTSQLLQ FALHVAEGME YLESKLVHR DLAARNILVS EDLVAKVSDF GLAKAELRKG LDSSRLPVKW TAPEALKNGR FSSKSDVWSF GVLLWEVFSY GRAPYPKMSL KEVSEAVEKG YRMEPPDSCP GPVHTLMGSC WEAEPSRRPP FRKIVEKLGR ELRSVGVAAP AGGQEAEGSA PTRSQDP
<b>Source</b>	E.coli
<b>Target Names</b>	Matk
<b>Protein Names</b>	Recommended name: Megakaryocyte-associated tyrosine-protein kinase EC=2.7.10.2 Alternative name(s): Protein kinase BATK Tyrosine-protein kinase CTK
<b>Expression Region</b>	1-467
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	Tag type will be determined during the manufacturing process.
<b>Protein Length</b>	Full length protein
<b>Target Details</b>	This protein 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.
<b>Reconstitution</b>	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a



concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

### Shelf Life

The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.

Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.