



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

Product Code	CSB-YP013519RA
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	P41243
Product Type	Recombinant Protein
Immunogen Species	Rattus norvegicus (Rat)
Purity	>85% (SDS-PAGE)
Sequence	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 GRAPYPKMSEL KEVSEAVEKG YRMEPPDSCP GPVHTLMGSC WEAEPSRRPP FRKIVEKLGR ELRSVGVAAP AGGQEAEGSA PTRSQDP
Source	Yeast
Target Names	Matk
Protein Names	Recommended name: Megakaryocyte-associated tyrosine-protein kinase EC=2.7.10.2 Alternative name(s): Protein kinase BATK Tyrosine-protein kinase CTK
Expression Region	1-467
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	Full length protein
Target Details	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.
Reconstitution	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.