

Datasheet for ABIN7555881

Mps1 Protein (TTK) (AA 1-857) (His tag)[Go to Product page](#)

Overview

Quantity:	1 mg
Target:	Mps1 (TTK)
Protein Characteristics:	AA 1-857
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Mps1 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant TTK Protein expressed in mammalian cells.
Sequence:	MESEDLSGRE LTIDSIMNKV RDIKNKFKNE DLTDELSLNK ISADTTDNSG TVNQIMMMAN NPEDWLSLLL KLEKNSVPLS DALLNKLIGR YSQAIEALPP DKYGQNESFA RIQVRFALK AIQEPDDARD YFQMARANCK KFAFVHISFA QFELSQGNVK KSKQLLQKAV ERGAVPLEML EIALRNLNLQ KKQLLSEEEK KNLSASTVLT AQESFSGSLG HLQNRNNSCD SRGQTTKARF LYGENMPPQD AEIGYRNSLR QTNKTKQSCP FGRVPVLLN SPDCDVKTDD SVVPCFMKRQ TSRSECRDLV VPGSKPSGND SCELRLNLSV QNSHFKEPLV SDEKSELII TDSITLKNKT ESSLLAKLEE TKEYQEPEVP ESNQKQWQSK RKSECINQNP AASSNHWQIP ELARKVNTEQ KHTTFEQPVF SVSKQSPPI SSKWFDPKSI CKTPSSNTLD DYMSCFRTPV VKNDFPPACQ LSTPYGQPAC FQQQQHQILA TPLQNLQVLA SSSANECISV KGRIYSILKQ IGSGGSSKV F QVLNEKKQIY AIKYVNLEEA DNQTLDSYRN EIAYLNKLQQ HSDKIIRLYD YEITDQYIYM VMECGNIDLN SWLKKKKSID PWERKSYWKN MLEAVHTIHQ HGIVHSDLKP ANFLIVDGML KLIDFGIANQ MQPDTTSVVK DSQVGTVNYM PPEAIKDMSS SRENGKSKSK ISPKSDVWSL

Product Details

GCILYYMTYG KTPFQIINQ ISKLHAIIDP NHEIEFPDIP EKDLQDVLKC CLKRDPKQRI SIPELLAHPY
VQIQTHPVNQ MAKGTTEEMK YVLGQLVGLN SPNSILKAAK TLYEHYSGGE SHNSSSSKTF
EKKRGGK **Sequence without tag. The proposed Purification-Tag is based on experiences
with the expression system, a different complexity of the protein could make another tag
necessary. In case you have a special request, please contact us.**

Specificity: If you are looking for a specific domain and are interested in a partial protein or a different isoform, please contact us regarding an individual offer.

Characteristics: Key Benefits:

- Made to order protein - from design to production - by highly experienced protein experts.
- Protein expressed in mammalian cells and purified in one-step affinity chromatography
- The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.
- State-of-the-art algorithm used for plasmid design (Gene synthesis).

This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.

If you are not interested in a full length protein, please contact us for individual protein fragments.

The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.

Purity: > 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)

Grade: custom-made

Target Details

Target: Mps1 (TTK)

Alternative Name: TTK ([TTK Products](#))

Background: Dual specificity protein kinase TTK (EC 2.7.12.1) (Phosphotyrosine picked threonine-protein kinase) (PYT),FUNCTION: Phosphorylates proteins on serine, threonine, and tyrosine (PubMed:18243099, PubMed:29162720). Probably associated with cell proliferation (PubMed:18243099). Phosphorylates MAD1L1 to promote mitotic checkpoint signaling (PubMed:29162720). Essential for chromosome alignment by enhancing AURKB activity (via direct CDCA8 phosphorylation) at the centromere, and for the mitotic checkpoint

Target Details

(PubMed:18243099). {ECO:0000269|PubMed:18243099, ECO:0000269|PubMed:29162720}.

Molecular Weight: 97.1 kDa

UniProt: [P33981](#)

Application Details

Application Notes: We expect the protein to work for functional studies. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: The buffer composition is at the discretion of the manufacturer.

Handling Advice: Avoid repeated freeze-thaw cycles.

Storage: -80 °C

Storage Comment: Store at -80°C.

Expiry Date: 12 months
