

Datasheet for ABIN7563186

Mps1 Protein (TTK) (AA 1-856) (His tag)[Go to Product page](#)

Overview

Quantity:	1 mg
Target:	Mps1 (TTK)
Protein Characteristics:	AA 1-856
Origin:	Mouse
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:	MEAEELIGSS VTIDSIMSKM RDIKNKINED CTDELSLSKI CADHTETVNQ IMRVGNTPEN WLNFLKLEK NSSPLNDDLL NKLIGRYSQA IEVLPPDKYG QNESFARIQV RLAEKAIQE PDDARDYFQM ARENCKKFAF VHVSAQFEL SQGNLKKSEQ LLHKAVETGA VPLQMLETAM RNLHLQKKQL LPEEDKKSVS ASTVLSAQEP FSSSLGNVQN RSISCESRGQ AGAARVLYGE NLPPQDAEVR HQNPFKQTHA AKRSCPFGRV PVNLLNSPDF YKTDSSAVT QLTTTLALSS VPLPYVTCLL HLQLLALAGL AKGSGPDRDA ILPGSRPRGS DSYELRGLKP IQTIYKDSL VSNEKSSELM SDLIALKSKT DSSLTKLEET KPEIAERRPM QWQSTRKPEC VFQNPAAFAP LRHVPDVTPK ADKESPPISV PKWLDPKSAC ETPSSSSLDD YMKCFKTPVV KNDFPPACPS STPYSQLARL QQQQQQLST PLQSLQISGS SSINECISVN GRIYSILKQI GSGGSSKVFQ VLNEKKQINA IKYVNLEDAD SQTIESYRNE IAFLNKLQQH SDKIIRLYDY EITEQYIMV MECGNIDLNS WLKKKKSINP WERKSYWKNM LEAVHIIHQH GIVHSDLKPA NFVIVDGMMLK LIDFGIANQM QPDTTSIVKD SQVGTVNYMA PEAIRDMSSS RENSKIRTKV SPRSDVWSLG

Product Details

CILYYMTYGR TPFQHIINQV SKLHAIINPA HEIEFPEISE KDLRDVLKCC LVRNPKERIS IPELLTHPYV
QIQPHPGSQM ARGATDEMKY VLGQLVGLNS PNSILKTAKT LYERYNCGEG QDSSSSKTFD
KKRERK **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) (ESK) (PYT),FUNCTION: Phosphorylates proteins on serine, threonine, and tyrosine (By similarity). Probably associated with cell proliferation (By similarity). Phosphorylates MAD1L1 to promote mitotic checkpoint signaling (By similarity). Essential for chromosome alignment by enhancing AURKB activity (via direct CDCA8 phosphorylation) at the centromere, and for the mitotic checkpoint (By similarity). {ECO:0000250|UniProtKB:P33981}.

Target Details

Molecular Weight: 96.2 kDa

UniProt: [P35761](#)

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