

Recombinant Full Length Human TTK Protein, His tagged

Cat. No. TTK-12H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human TTK Protein (1-857 aa) with His tag was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	1-857 aa
Description	This gene encodes a dual specificity protein kinase with the ability to phosphorylate tyrosine, serine and threonine. Associated with cell proliferation, this protein is essential for chromosome alignment at the centromere during mitosis and is required for centrosome duplication. It has been found to be a critical mitotic checkpoint protein for accurate segregation of chromosomes during mitosis. Tumorigenesis may occur when this protein fails to degrade and produces excess centrosomes resulting in aberrant mitotic spindles. Alternative splicing results in multiple transcript variants.
AASequence	MESEDLSGRELTIDSIMNKVRDIKNKFKNEDLTDELSLNKISADTTDNSGTVNQIMMM ANNPEDWLSLLLKLEKNSVPLSDALLNKLIGRYSQAIEALPPDKYGQNESFARIQVRF AELKAIQEPDDARDYFQMARANCKKFAFVHISFAQFELSQGNVKKSKQLLQKAVER GAVPLEMLEIALRNLNLQKKQLLSEEEKKNLSASTVLTAQESFSGSLGHLQNRNNSC DSRGQTTKARFLYGENMPPQDAEIGYRNSLRQTNKTKQSCPFGRVPVLLNSPDC DVKTDDSVVPCFMKRQTSRSECRDLVVPGSKPSGNDSCELRNLSVQNSHFKEPL VSDEKSSELIITDSITLKNKTESSLLAKLEETKEYQEPEVPESNQKQWQSKRKSECIN

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

QNPAASSNHWQIPELARKVNTEQKHTTTEQPVFSVSKQSPPISTSKWFDPKSICKTP
 SSNTLDDYMSCFRTPVVKNDFPACQLSTPYGQPACFQQQHQILATPLQNLQVLA
 SSSANECISVKGRIYSILKQIGSGGSSKVFQVLNEKKQIYAIKYVNLEEADNQTLDYSR
 NEIAYLNKLQQHSDKIIRLYDYEITDQYIYMVMCEGNI DLNSWLKKKSIDPWERKSY
 WKNMLEAVHTIHQHGIVHSDLKPANFLIVDGMLKLIDFGIANQM QPDTTSVVKDSQV
 GTVNYMPPEAIKDMSSSRENGKSKSKISPKSDVWSLGCILYYMTYGKTPFQQIINQIS
 KLHAIIDPNHEIEFPDIPEKDLQDVLKCCLKRDPKQRISIPELLAHPYVQIQTHPVNQM
 AKGTTEEMKYVLGQLVGLNSPNSILKAAKTLYEYSGGESHNSSSSKTFEKKRGKK
 HHHHHHHHHH

Molecular Mass 98 kDa

Purity > 90% by SDS-PAGE

Storage Store it under sterile conditions at -20 to -80 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

Concentration 1.47 mg/mL by BCA

GENE INFORMATION

Gene Name TTK TTK protein kinase [Homo sapiens (human)]

Official Symbol TTK

Synonyms TTK; TTK protein kinase; dual specificity protein kinase TTK; cancer/testis antigen 96; CT96; MPS1L1; monopolar spindle 1-like 1; phosphotyrosine picked threonine kinase; phosphotyrosine picked threonine-protein kinase; ESK; PYT; MPS1; FLJ38280;

Gene ID 7272

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

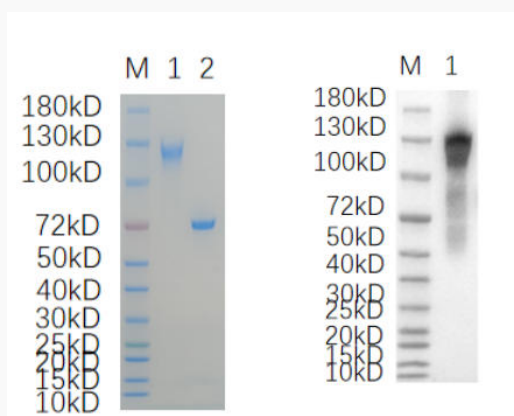
mRNA Refseq [NM_003318](#)

Protein Refseq [NP_003309](#)

MIM [604092](#)

UniProt ID [P33981](#)

SDS-PAGE and WB



Reducing 4%-20% SDS-PAGE (CBB stained) and WB (Anti-His Mouse Monoclonal antibody) analysis profiles of purified TTK. 1. TTK: 1 μ g 2. BSA: 1 μ g

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA