Testis-Specific Serine/Threonine-Protein Kinase 6 (TSSK6) Human Recombinant Protein

PRODUCT OVERVIEW

Product Name	Testis-specific serine/threonine-protein kinase 6 (TSSK6), Recombinant Protein
Full Product Name	Recombinant Human Testis-specific serine/threonine-protein kinase 6 (TSSK6)
Product Gene Name	TSSK6 recombinant protein
Product Synonym Gene Name	TSSK6
Sequence	MSGDKLLSEL GYKLGRTIGE GSYSKVKVAT SKKYKGTVAI KVVDRRRAPP DFVNKFLPRE LSILRGVRHP HIVHVFEFIE VCNGKLYIVM EAAATDLLQA VQRNGRIPGV QARDLFAQIA GAVRYLHDHH LVHRDLKCEN VLLSPDERRV KLTDFGFGRQ AHGYPDLSTT YCGSAAYASP EVLLGIPYDP KKYDVWSMGV VLYVMVTGCM PFDDSDIAGL PRRQKRGVLY PEGLELSERC KALIAELLQF SPSARPSAGQ VARNCWLRAG DSG
Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE. (lot specific)
Preparation and Storage	Store at -20 degrees C. For long-term storage, store at -20 degrees C or -80 degrees C. Store working aliquots at 4 degrees C for up to one week. Repeated freezing and thawing is not recommended.
Molecular Weight	30,331 Da
Sequence Positions	1-273, Full length protein
Tag Information	This protein contains an N-terminal tag and may also contain a C-terminal tag. Tag types are determined by various factors including tag-protein stability, please inquire for tag information.
Sterility	Sterile filter available upon request.
Endotoxin	Low endotoxin available upon request.
OMIM	610712
3D Structure	ModBase 3D Structure for Q9BXA6
Species	Human
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for TSSK6 recombinant protein	MBS1435259 is a recombinant protein targeting TSSK6. Also known as Recombinant Human Testis-specific serine/threonine-protein kinase 6 (TSSK6). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of TSSK6 recombinant protein vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for TSSK6. It may not necessarily be applicable to this product.

NCBI GI #	14042966
NCBI GeneID	83983
NCBI Accession #	NP_114426.1
UniProt Primary Accession #	Q9BXA6

UniProt Secondary Accession #	Q6ZMC4; Q96LJ4; B2R9F8
UniProt Related Accession #	Q9BXA6
GenBank Nucleotide #	NM_032037.3
NCBI Official Full Name	testis-specific serine/threonine-protein kinase 6
NCBI Official Synonym Full Names	testis specific serine kinase 6
NCBI Official Symbol	TSSK6
NCBI Official Synonym Symbols	CT72; SSTK; TSSK4; FKSG82
UniProt Protein Name	Testis-specific serine/threonine-protein kinase 6
UniProt Synonym Protein Names	Cancer/testis antigen 72; CT72; Serine/threonine-protein kinase SSTK; Small serine/threonine kinase
Protein Family	Testis-specific serine/threonine-protein kinase
UniProt Gene Name	TSSK6
UniProt Synonym Gene Names	TSK-6; TSSK-6; Testis-specific kinase 6; CT72
NCBI Protein Information	testis-specific serine/threonine-protein kinase 6
NCBI Summary for TSSK6	This intronless gene encodes a member of the CAMK (calcium/calmodulin-dependent) serine/threonine protein kinase family. The encoded kinase has a broad expression pattern but is described as testis-specific due to effects on fertility. Male mice which lack the gene encoding a highly similar protein are sterile and have morphologically abnormal sperm. [provided by RefSeq, Jan 2012]
UniProt Comments for TSSK6	Required for sperm production and function. Plays a role in DNA condensation during postmeiotic chromatin remodeling ().
Research Articles on TSSK6	**1.** findings, for the first time, suggested an association of c.822+126T>G/C in TSSK6 with spermatogenic impairment in humans in which allele T may be a risk factor for male infertility, while alleles C and G may decrease susceptibility to male infertility
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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