

Recombinant Human TSSK6, His-tagged

Cat. No. TSSK6-142H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	TSSK6, 1-273aa, Human, His tag, E.coli
Species	Human
Source	E.coli
ProteinLength	1-273aa
Description	TSSK6, also known as testis-specific serine/threonine-protein kinase 6, is a member of the CAMK Ser/Thr protein kinase family. This protein contains one protein kinase domain. It is highly expressed in the testis and lowly expressed in the colon, prostate, thymus, small intestine, and peripheral blood leukocytes. It interacts with the heatshock proteins HSPA8, HSPCB, and HAPA1A; these interactions appear to be required for TSSK6 kinase activity. It plays a role in DNA condensation during postmeiotic chromatin remodeling. Otherwise, TSSK6 is required for sperm production and function. Recombinant human TSSK6 protein, fused to His-tag at N-terminus, was expressed in E.coli.
Form	Liquid. 20mM Tris-HCl buffer (pH8.0) containing 10% glycerol 0.4M Urea
Molecular Mass	32.7 kDa (296aa)
AA Sequence	MGSSHHHHHH SSGLVPRGSH MGSMGDKLL SELGYKLGRT IGEGSYSKVK VATSKKYKGT VAIKVVD RRR APPDFVNKFL PRELSILRGV RHPHIVHVFE FIEVCNGKLY IVMEAAATDL LQAVQRNGRI PGVQARDLFA QIAGAVRYLH

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DHHLVHRDLK CENVLLSPDE RRVKLTDGFG GRQAHGYDDL STTYCGSAAY
 ASPEVLLGIP YDPKKYDVWS MGVVLYVMVT GCMFDDSDI AGLPRRQKRG
 VLYPEGLELS ERCKALIAEL LQFSPSARPS AGQVARNCWL RAGDSG

Purity >80% by SDS - PAGE

Storage Can be stored at +4C short term (1-2 weeks). For long term storage, aliquot and store at -20C or -70C. Avoid repeated freezing and thawing cycles.

Concentration 1mg/ml (determined by Bradford assay)

GENE INFORMATION

Gene Name TSSK6 testis-specific serine kinase 6 [Homo sapiens]

Official Symbol TSSK6

Synonyms TSSK6; testis-specific serine kinase 6; testis-specific serine/threonine-protein kinase 6; cancer/testis antigen 72; CT72; FLJ24002; SSTK; TSK-6; TSSK-6; testis-specific kinase 6; small serine/threonine kinase; serine/threonine protein kinase SSTK; serine/threonine-protein kinase SSTK; TSSK4; FKSG82;

Gene ID 83983

mRNA Refseq NM_032037

Protein Refseq NP_114426

MIM 610712

UniProt ID Q9BXA6

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Chromosome Location	19p13.11
Function	ATP binding; magnesium ion binding; nucleotide binding; protein serine/threonine kinase activity;