

## 32-3130: TSSK6 Recombinant Protein

**Alternative Name :** TSSK6, Testis-Specific Serine Kinase 6, Cancer/Testis Antigen 72, SSTK, Small Serine/Threonine Kinase, CT72, TSK-6, TSSK4, Serine/Threonine Protein Kinase SSTK, Testis-Specific Serine/Threonine-Protein Kinase 6, EC 2.7.11.1, TSSK-6, Serine/Threonine-

### Description

Source : Escherichia Coli. TSSK6 Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 296 amino acids (1-273) and having a molecular mass of 32.7kDa. TSSK6 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. Testis-specific serine/threonine-protein kinase 6 (TSSK6) is an intronless gene, which belongs to the CAMK Ser/Thr protein kinase family. The TSSK6 protein contains one protein kinase domain. TSSK6 is highly expressed in the testis and lowly expressed in the colon, prostate, thymus, small intestine, and peripheral blood leukocytes. TSSK6 interacts with the heatshock proteins HSPA8, HSPCB, and HAPA1A; these interactions seem to be essential for TSSK6 kinase activity. TSSK6 plays a role in DNA condensation during postmeiotic chromatin remodeling. In addition, TSSK6 is required for sperm production and function.

### Product Info

**Amount :** 20 µg

**Purification :** Greater than 80.0% as determined by SDS-PAGE.

**Content :** The TSSK6 solution (1mg/ml) contains 20mM Tris-HCl buffer (pH8.0), 10% glycerol and 0.4M Urea.

**Storage condition :** Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

**Amino Acid :** MGSSHHHHH SGLVPRGSH MGSMSGDKLL SELGYKLGRT IGEYSYSKVK VATSKKYKGT VAIKVVD RRR APPDFVNKFL PRELSILRGV RHPHIVHVFE FIEVCNGKLY IVMEAAATDL LQAVQRNGRI PGVQARDLFA QIAGAVRYLH DHHLVHRDLK CENVLLSPDE RRVKLTDGFG GRQAHGYPDL STTYCGSAAY ASPEVLLGIP YDPKKYDVWS MGVVLYVMVT GCMFDDSDI AGLPRRQKRG VLYPEGLELS ERCKALIAEL LQFSPSARPS AGQVARNCWL RAGDSG.

