
Product Data Sheet

Product Name: TSSK6 Human
 Cat. No.: GP22647
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	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-Protein Kinase SSTK; Testis-Specific Kinase 6.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGSMGDKLL SELGYKLGRT IGEGSYSKVK VTSKKYKGT VAIKVDRRR APPDFVNKFL PRELSILRGV RHPHIVHVF FIEVCNGKLY IVMEAAATDL LQAVQRNGRI PGVQARDLFA QIAGAVRYLH DHHLVHRDLK CENVLLSPDE RRVKLTDFGF GRQAHGYPD LSTTYCGSAAY ASPEVLLGIP YDPKKYDVWS MGVVLYVMVT GCMPFDDSDI AGLPRRQKRG VLYPEGLELS ERCKALIAEL LQFSPSARPS AGQVARNCWL RAGDSG.		
Formulation	The TSSK6 solution (1mg/ml) contains 20mM Tris-HCl buffer (pH8.0), 10% glycerol and 0.4M Urea.		

Introduction

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.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store frozen at -20°C for longer

Caution: Product has not been fully validated for medical applications. For research use only.

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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.

Background

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.

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