

**TSSK2, 1-358aa, Human, His tag, E.coli**

**Cat.NO.: TP04329**

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3th Edition

**Synonyms:**Testis-specific serine/threonine-protein kinase 2, DGS-G, SPOGA2, STK22B, TSK2

**Description:**TSSK2 is a testis-specific serine/threonine-protein kinase required during spermatid development. This protein phosphorylates TSKS at 'Ser-288' and SPAG16. TSSK2 involved in the late stages of spermatogenesis, during the reconstruction of the cytoplasm. During spermatogenesis, it is required for the transformation of a ring-shaped structure around the base of the flagellum originating from the chromatoid body. Recombinant human TSSK2 protein, fused to His-tag at N-terminus, was expressed in E.coli.

**Form:**Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.4M Urea, 10% glycerol

**Molecular Weight:**43 kDa (381aa)

**Sequences:**

MGSSHHHHHSSGLVPRGSHMGSMDDATVLRKKGIVGINLGKGSYAKVKSAYSERLKFNVAVKIIDRKKTPDFV  
ERFLPREMDILATVNHGSIKTYEIFETSDGRIYIIMELGVQGDLLFEIKCQGALHEDVARKMFRQLSSAVKYCHDLDIV  
HRDLKCENLLLDKDFNIKLSDFGFSKRCLRDSNGRIILSKTFCGSAAYA APEVLQSIPYQPKVYDIWSLGVILYIMVCG  
SMPYDDSDIRKMLRIQKEHRVDFPRSKNLTCECKDLIYRMLQPDVSRQLHIDEILSHSWLQPPKPKATSSASFKREG  
EGKYRAECKLDTKTGLRPDHRPDHKLGAKTQHRLLVVPENENRMEDRLAETSRAKDHHISGAEVGKAST

**Purity:**> 95% by HPLC

**Concentration:**0.25 mg/ml (determined by Bradford assay)

**Endotoxin Level:**<1.0 EU per 1 ug of protein (determined by LAL method)

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