

Product datasheet for **TP307232L**

TSSK2 (NM_053006) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human testis-specific serine kinase 2 (TSSK2), 1 mg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC207232 protein sequence Red =Cloning site Green =Tags(s)

MDDATVLRKKGIVGINLGKGSYAKVKSAYSERLKFNVAVKIIDRKKTPDFVERFLPREMDILATVNHG
SIIKTYEIFETSDGRIYIIMELGVQGDLLFEIKCQGALHEDVARKMFRQLSSAVKYCHDLDIVHRDLKCE
NLLLDKDFNIKLSDFGFSKRCLRDSNGRIILSKTFCGSAAYAPEVLQSIYPYQPKVYDIWSLGVILYIMV
CGSMPYDDSDIRKMLRIQKEHRVDFPRSKNLTCECKDLIYRMLQPDVSQLRHIDEILSHSWLQPPPKPAT
SSASFKREGEGKYRAECKLDTKTDLRPDHRPDHKLGAKTQHRLLVPENENRMEDRLAETSRAKDHHSIG
AEVGKAST

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

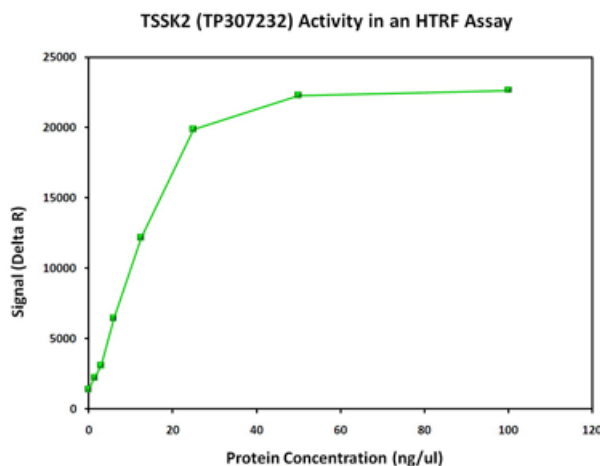
Tag:	C-Myc/DDK
Predicted MW:	40.8 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Bioactivity:	TSSK2 activity verified in a biochemical assay: TSSK2 (testis-specific serine kinase 2) (TP307232) activity was measured in a homogeneous time-resolved fluorescent (HTRF®) assay. TSSK2 is a serine/threonine kinase that is highly expressed in testis and may be involved in the late stages of spermatogenesis, during the reconstruction of the cytoplasm. Varying concentrations of TSSK2 were added to a reaction mix containing ATP and a biotinylated kinase substrate and the reaction mixture was incubated to allow the protein to phosphorylate the substrate. HTRF detection reagents were then added, and the time-resolved fluorescent signal was measured on a Flexstation 3 microplate reader. The time resolved fluorescent signal is expressed as "delta R" or "ΔR" and is a ratio calculated from the fluorescent emission intensities of the donor and acceptor fluors.

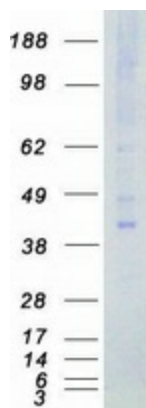


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Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_443732
Locus ID:	23617
UniProt ID:	Q96PF2 , A0ZT99
RefSeq Size:	1832
Cytogenetics:	22q11.21
RefSeq ORF:	1074
Synonyms:	DGS-G; SPOGA2; STK22B; TSK2
Summary:	TSSK2 belongs to a family of serine/threonine kinases highly expressed in testis (Hao et al., 2004 [PubMed 15044604]).[supplied by OMIM, Mar 2008]
Protein Families:	Druggable Genome, Protein Kinase

Product images:





Coomassie blue staining of purified TSSK2 protein (Cat# [TP307232]). The protein was produced from HEK293T cells transfected with TSSK2 cDNA clone (Cat# [RC207232]) using MegaTran 2.0 (Cat# [TT210002]).