

Product datasheet for **TP305395L**

TSSK1 (TSSK1B) (NM_032028) Human Recombinant Protein

Product data:

Product Type: Recombinant Proteins

Description: Recombinant protein of human testis-specific serine kinase 1B (TSSK1B), 1 mg

Species: Human

Expression Host: HEK293T

Expression cDNA Clone or AA Sequence: >RC205395 protein sequence
Red=Cloning site **Green**=Tags(s)

MDDAAVLKRRGYLLGINLGEFSYAKVKSAYSERLKFNVAIKIIDRKKAPADFLEKFLPREIEILAMLNHC
SIIKTYEIFETSHGKVYIVMELAVQGDLELILIKTRGALHEDEARKKFHQLSLAIKYCHDLDVVHRDLKCD
NLLLDKDFNIKLSDFFSKRCLRDDSGRMALSKTFCGSPAYAAPEVLQGIPYQPKVYDIWVSLGVILYIMV
CGSMPYDDSNIKMLRIQKEHRVNFPRSKHLTGECKDLIYHMLQPDVNRRLHIDEILSHCWMQPKARGSP
SVAINKEGESSRGTEPLWTPEPGSDKKSATKLEPEGEAQPQAQPETKPEGTAMQMSRQSEILGFPSKPST
METEEGPPQPPETRAQ

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag: C-Myc/DDK

Predicted MW: 41.4 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

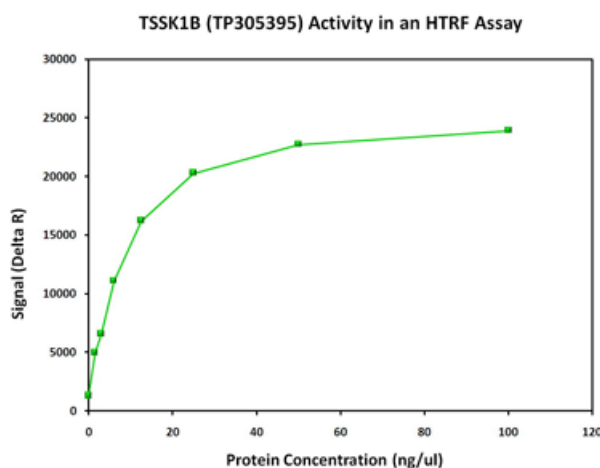
Bioactivity: TSSK1B activity verified in a biochemical assay: **TSSK1B (testis-specific serine kinase 1B) (TP305395)** activity was measured in a homogeneous time-resolved fluorescent (HTRF®) assay. **TSSK1B** is a serine/threonine kinase that is highly expressed in testis and may be involved in a signaling pathway during male germ cell development or mature sperm function. Varying concentrations of **TSSK1B** 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 fluorors.

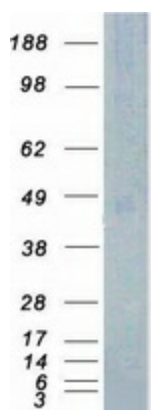


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Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein 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_114417
Locus ID:	83942
UniProt ID:	Q9BXA7 , A0ZT98
RefSeq Size:	2478
Cytogenetics:	5q22.2
RefSeq ORF:	1101
Synonyms:	FKSG81; SPOGA4; STK22D; TSK1; TSSK1
Summary:	TSSK1 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 TSSK1B protein (Cat# [TP305395]). The protein was produced from HEK293T cells transfected with TSSK1B cDNA clone (Cat# [RC205395]) using MegaTran 2.0 (Cat# [TT210002]).