

Active Recombinant Full Length Human TSSK1B Protein, C-Flag-tagged

Cat. No. TSSK1B-869HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human TSSK1B Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
Description	TSSK1 belongs to a family of serine/threonine kinases highly expressed in testis.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Bio-activity	TSSK1B activity verified in a biochemical assay: TSSK1B (testis-specific serine kinase 1B) 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 fluors.
Molecular Mass	41.4 kDa

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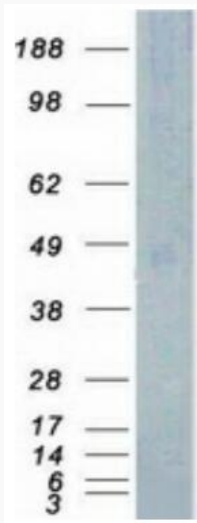
 45-1 Ramsey Road, Shirley, NY 11967, USA

AA Sequence	MDDAAVLKRRGYLLGINLGEFSYAKVKSAYSERLKFNVAIKIIDRKKAPADFLEKFLP REIEILAMLNHC SIIKTYEIFETSHGKVYIVMELAVQGDLLLELIKTRGALHEDEARKKFH QLSLAIKYCHDLDVVHRDLKCD NLLLDKDFNIKLSDFSFSKRCLRDDSGRMALSKTF CGSPAYAAPEVLQGIPYQPKVYDIWSLGVILYIMV CGSMPYDDSNIKKMLRIQKEHR VNFPRSKHLTGECKDLIYHMLQPDVNRRLHIDEILSHCWMQPKARGSP SVAINKEG ESSRGTEPLWTPEPGSDKKSATKLEPEGEAQPQAQPETKPEGTAMQMSRQSEILG FPSKPST METEEGPPQPPETRAQTRTRPLEQKLISEEDLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Families	Druggable Genome, Protein Kinase
Full Length	Full L.
GENE INFORMATION	
Gene Name	TSSK1B testis specific serine kinase 1B [Homo sapiens (human)]
Official Symbol	TSSK1B

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Synonyms	TSK1; TSSK1; FKSG81; SPOGA4; STK22D
Gene ID	83942
mRNA Refseq	NM_032028.4
Protein Refseq	NP_114417.1
MIM	610709
UniProt ID	Q9BXA7
 Coomassie blue staining of purified TSSK1B protein.	