Recombinant Human TSSK2, GST-tagged, Active

Cat. No. TSSK2-451H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full-length human TSSK2 was expressed by baculovirus in*Sf9*insect cells using an N-terminal GST tag. MW = 66kDa.
Species	Human
Source	Sf9 Cells
Description	TSSK2 is an intronless serine-threonine kinase that was originally detected on mouse chromosome 16. TSSK2 and TSSK1 share 72% overall amino acid identity and 83% identity in the kinase domain. Real-time PCR showed abundant TSSK2 expression in testis and lower levels in heart, brain, and placenta while Western blot analysis detected TSSK2 at the predicted molecular mass of 40kDa in human sperm and testis. Co-immunoprecipitation and yeast 2-hybrid analysis show that TSSK2 can interact with a protein TSKS, that also acts as a substrate for this protein kinase.
Sequence	Full-length.
Applications	Kinase Assay, Western Blot.
Storage And Stability	Store product at -70℃. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles.

GENE INFORMATION

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Gene Name	TSSK2 testis-specific serine kinase 2 [Homo sapiens]
Synonyms	TSSK2; testis-specific serine kinase 2; DGS-G; SPOGA2; STK22B; FLJ38613; serine/threonine kinase 22B (spermiogenesis associated); DGS-G; DGSG; EC 2.7.11.1; TSK-2; TSSK-2; DiGeorge syndrome protein G; Serine/threonine-protein kinase 22B; spermiogenesis associated 2; testis specific serine threonine kinase 2; testis-specific serine kinase 2
Gene ID	23617
mRNA Refseq	NM_053006
Protein Refseq	NP_443732
MIM	610710
UniProt ID	Q96PF2
Chromosome Location	22q11.21
Function	ATP binding; magnesium ion binding; nucleotide binding; protein binding; protein serine/threonine kinase activity; transferase activity

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