

Recombinant Human Testis-specific Serine Kinase 2, GST-His

Cat. No. TSSK2-719H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human TSSK2, Amino acids M1-T358, N-terminally fused to GST-HIS6-Thrombin cleavage site, was expressed in Sf9 cells. MW = 73,916 Da.
Species	Human
Source	Sf9 Cells
Protein Length	1-358 a.a.
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.
Purification	One-step affinity purification using GSH-agarose.
Product Identity	TSSK2 was confirmed as human TSSK2 by mass spectroscopy LC-ESI-MS/MS (Protagen AG, Germany).
Storage Buffer	50 mM Tris-HCl, pH 8.0; 100 mM NaCl, 5 mM DTT, 15 mM reduced glutathione, 20% glycerol.
Concentration	0.378 µg/µl (Bradford method using BSA [Sigma, cat# A-7638, Lot 79H7641] as

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standard protein).

Specific Activity 6 pmol/μg×min.

Storage -80°C. Avoid repeated freeze-thaw cycles!

GENE INFORMATION

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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