

TSSK2 recombinant protein

TSSK2, Active

CATALOG # AAA73967	HOST Sf9 insect cells	APPLICATIONS Western Blot
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PRODUCT SYNONYMS

TSSK2; Active; DGS-G; SPOGA2; STK22B; FLJ38613; TSSK2 recombinant protein

PRODUCT SPECIFICATIONS

Host	Sf9 insect cells
Form/Format	Recombinant protein stored in 50mM Tris-HCl, pH7.5, 150mM NaCl, 0.25mM DTT, 0.1mM EGTA, 0.1mM EDTA, 0.1mM PMSF, 25% glycerol.
Applicable Applications for TSSK2 recombinant protein	WB (Western Blot), Kinase Assay
Tag	GST
Species	Human
Dry Ice Note	The product may be shipped with dry ice, and an additional fee may be added to your shipping cost.
Preparation and Storage	Store product at -70 degree C. 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.

IMAGES



SDS-PAGE

Purity: Sample Purity Data. For specific information on a given lot, see related technical data sheet.



Activity

Specific Activity: Sample Kinase Activity Plot. For specific information on a given lot, see related technical data sheet.

ADDITIONAL INFORMATION

Related Product Information for TSSK2 recombinant protein	Recombinant full-length human TSSK2 was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag. The gene accession number is NM_053006. TSSK2 is an intronless serine-threonine kinase that was originally detected on mouse chromosome 16 (1). TSSK2 and TSSK1 share 72% overall amino acid identity and 83% identity in the kinase domain (2). 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. Colmunoprecipitation and yeast 2-hybrid analysis show that TSSK2 can interact with a protein TSKS, that also acts as a substrate for this protein kinase.
Product Categories/Family for TSSK2 recombinant protein	Protein Kinases ; Cancer ; Cardiovascular Disease ; Ser/Thr Kinases
References	1. Nayak, S. et al: Immunohistochemical analysis of the expression of two serine-threonine kinases in the maturing mouse testis. Mech Dev. 1998 Jun;74(1-2):171-4. 2. Hao, Z. et al: Expression analysis of the human testis-specific serine/threonine kinase (TSSK) homologues: a TSSK member is present in the equatorial segment of human sperm. Molec. Hum. Reprod. 10: 433-444, 2004.

NCBI AND UNIPROT INFORMATION

NCBI GenBank Nucleotide #	NM_053006
Molecular Weight	~66kDa

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/tssk2-recombinant-protein-sf9-insect-cells-wb-western-blot-kinase-assay/73967>