

TSSK2 Protein, Human (Sf9, GST)

Cat. No.:	HY-P701649
Synonyms:	TSSK2; Testis-specific serine/threonine-protein kinase 2; TSK-2; TSK2; TSSK-2; Testis-specific kinase 2; DiGeorge syndrome protein G; DGS-G; Serine/threonine-protein kinase 22B
Species:	Human
Source:	Sf9 insect cells
Accession:	Q96PF2 (D2-T358)
Gene ID:	23617
Molecular Weight:	

PROPERTIES

Appearance	Solution.
Formulation	Supplied as a 0.22 µm filtered solution of 50 mM Tris-HCl, pH7.5, 200 mM NaCl, 20% glycerol.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	Please use rapid thawing with running water to thaw the protein.
Storage & Stability	Stored at -80°C for 1 year. It is stable at -20°C for 3 months after opening. It is recommended to freeze aliquots at -80°C for extended storage. Avoid repeated freeze-thaw cycles.
Shipping	Shipping with dry ice.

DESCRIPTION

Background	The TSSK2 protein, a testis-specific serine/threonine-protein kinase, plays an indispensable role in spermatid development, particularly in the late stages of spermatogenesis during cytoplasm reconstruction. It exerts its regulatory function by phosphorylating 'Ser-288' of TSKS and SPAG16. TSSK2's involvement is crucial for the intricate process of transforming a ring-shaped structure around the base of the flagellum, which originates from the chromatoid body. In the dynamic context of spermatogenesis, TSSK2 emerges as a key molecular player, orchestrating events that contribute to the structural and developmental changes necessary for the maturation of spermatids into fully functional sperm cells.
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Caution: Product has not been fully validated for medical applications. For research use only.

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