TSSK1 Protein, Human (Sf9, GST)

Cat. No.:	HY-P701647
Synonyms:	TSSK1B; Testis-specific serine/threonine-protein kinase 1; TSK-1; TSK1; TSSK-1; Testis-specific kinase 1; Serine/threonine-protein kinase 22A
Species:	Human
Source:	Sf9 insect cells
Accession:	Q9BXA7 (D2-Q367)
Gene ID:	83942
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.
Reconsititution	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 TSSK1 protein, a testis-specific serine/threonine-protein kinase, emerges as a crucial factor in spermatid development, particularly in the late stages of spermatogenesis during cytoplasm reconstruction. Its role involves phosphorylating 'Ser-288' of TSKS and contributing to the transformation of a ring-shaped structure surrounding the base of the flagellum, originating from the chromatoid body. TSSK1's involvement in these intricate processes underscores its significance in the precise orchestration of events essential for spermatid maturation. This testis-specific kinase plays a vital role in the intricate molecular events that underlie spermatogenesis, contributing to the structural changes and developmental transitions necessary for the formation of mature sperm cells.

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