

Product Data Sheet

Product Name: TSSK2 Human
 Cat. No.: GP22646
 Batch No.: 1

Product Data

Purity	>98%	Source	E.coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	800x600 Testis-specific serine/threonine-protein kinase 2; DGS-G;SPOGA2; STK22B; TSK2; TSK-2; TSSK-2; TSSK2; DiGeorge syndrome protein G; Serine/threonine-proteinkinase 22B; DGSG; Testis Specific Serine Kinase 2.		
Amino Acid Sequence	800x600 MGSSHHHHHH SGLVPRGSH MGSMDATVL RKKGYIVGIN LGKGSYAKVK SAYSERLKFN VAVKIIDRKKTPDFVERFL PREMDILATV NHGSIKTYE IFETSDGRIY IIMELGVQGD LLEFIKCQGA LHEDVARKMFRQLSSAVKYC HDLDIVHRDL KCENLLLDKD FNIKLSDFGF SKRCLRDSNG RIILSKTFCG SAAYAAPEVLQSIPYQPKVY DIWSLGVILY IMVCGSMPYD DSDIRKMLRI QKEHRVDFPR SKNLTCECKD LIYRMLQPDVSRQLHIDEIL SHSWLQPPKP KATSSASFKR EGEKRYRAEC KLDTKTGLRP DHRPDHKLGA KTQHRLLVPENENRMEDRL AETSRAKDHH ISGAEVGKAS T. Normal 0 false false false EN-US X-NONE HE MicrosoftInternetExplorer4 /* Style Definitions */ table.MsoNormalTable{mso-style-name:"Table Normal";mso-tstyle-rowband-size:0;mso-tstyle-colband-size:0;mso-style-noshow:yes;mso-style-priority:99;mso-style-parent:"";mso-padding-alt:0cm 5.4pt 0cm 5.4pt;mso-para-margin:0cm;mso-para-margin-bottom:.0001pt;mso-pagination:widow-orphan;font-size:10.0pt;font-family:"Calibri","sans-serif";}		
Formulation	800x600 TSSK2 protein solution (0.25mg/ml) containing 20mMTris-HCl buffer (pH 8.0), 0.4M Urea and 10% glycerol.		

Introduction

TSSK2 is a testis-specific serine/threonine-protein kinase required during spermatid

Caution: Product has not been fully validated for medical applications. For research use only.

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development which phosphorylates TSKS at 'Ser-288' and SPAG16. TSSK2 takes part in the late stages of spermatogenesis, during the reconstruction of the cytoplasm. During spermatogenesis, TSSK2 is necessary for the transformation of a ring-shaped structure around the base of the flagellum originating from the chromatoid body.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Background

TSSK2 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 381 amino acids (1-358 a.a) and having a molecular mass of 43kDa. TSSK2 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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