

Recombinant human TSSK1 protein ab101710

2 Images

Description

Product name	Recombinant human TSSK1 protein
Biological activity	The specific activity of TSSK1 was determined to be 60 nmol/min/mg.
Purity	> 80 % SDS-PAGE. Affinity purified.
Expression system	Baculovirus infected insect cells
Accession	<u>Q9BXA7</u>
Protein length	Full length protein
Animal free	No
Nature	Recombinant
Species	Human
Sequence	MDDAAVLKRRGYLLGINLGEFSYAKVKSAYSERLKFNVAI KIIDRKKAPA DFLEKFLPREIEILAMLNHCSEIKTYEIFETSHGKVYV/MELAV QGDLE LIKTRGALHEDEARKKFHQLSLAIKYCHDLDDVHRDLKCD NLLLDKDFNI KLSDFSFSKRCLRDDSGRMALSKTFCGSPAYAAPEVLQG IPYQPKVYDIW SLGVILYIMVCGSMPYDDSNKKMLRIQKEHRVNFPRSKHL TGECKDLIY HMLQPDVNRRLHIDEILSHCWMQPKARGSPSVAINKEGES SRGTEPLWTP EPGSDKKSATKLEPEGEAQPQAQPETKPEGTAMQMSRQ SEILGFPSKPST METEEGPPQPPETRAQ
Predicted molecular weight	71 kDa including tags
Amino acids	1 to 367

Specifications

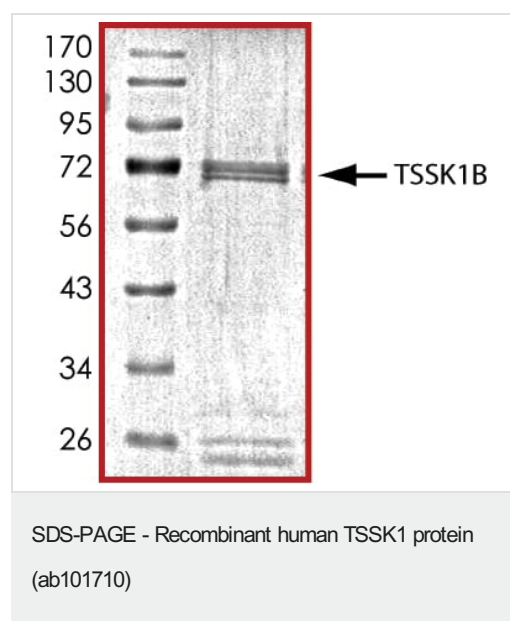
Our **Abpromise guarantee** covers the use of **ab101710** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

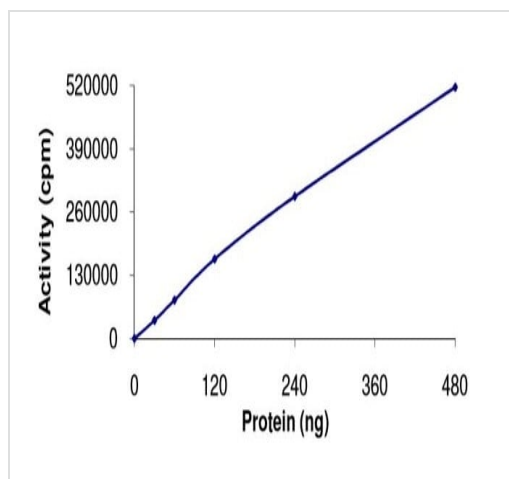
Applications Functional Studies

	SDS-PAGE
Form	Liquid
Preparation and Storage	
Stability and Storage	<p>Shipped on dry ice. Upon delivery aliquot and store at -80°C. Avoid freeze / thaw cycles.</p> <p>pH: 7.50</p> <p>Constituents: 0.307% Glutathione, 0.00174% PMSF, 0.00385% DTT, 0.79% Tris HCl, 0.00292% EDTA, 25% Glycerol (glycerin, glycerine), 0.87% Sodium chloride</p> <p>This product is an active protein and may elicit a biological response in vivo, handle with caution.</p>
General Info	
Function	<p>Testis-specific serine/threonine-protein kinase required during spermatid development. Phosphorylates 'Ser-288' of TSKS. Involved in the late stages of spermatogenesis, during the reconstruction of the cytoplasm. During spermatogenesis, required for the transformation of a ring-shaped structure around the base of the flagellum originating from the chromatoid body.</p>
Tissue specificity	Testis-specific. Present in sperm (at protein level).
Sequence similarities	<p>Belongs to the protein kinase superfamily. CAMK Ser/Thr protein kinase family.</p> <p>Contains 1 protein kinase domain.</p>
Post-translational modifications	Autophosphorylated.
Cellular localization	Cytoplasm. Cytoplasmic vesicle > secretory vesicle > acrosome. Cell projection > cilium > flagellum. In spermatozoa, present in the sperm head and in the flagellum.

Images



SDS PAGE analysis of ab101710



Functional Studies - Recombinant human TSSK1 protein (ab101710)

The specific activity of TSSK1 (ab101710) was determined to be 60 nmol /min/mg as per activity assay protocol.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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