

Datasheet for ABIN7562431  
**TSSK2 Protein (AA 1-358) (His tag)**



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**3** Images

## Overview

Quantity:	1 mg
Target:	TSSK2
Protein Characteristics:	AA 1-358
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This TSSK2 protein is labelled with His tag.

## Product Details

Purpose:	Custom-made recombinant Tssk2 Protein expressed in mammalian cells.
Sequence:	<p>MDDAAVLRKK GYIVGINLGK GSYAKVKSAY SERLKFNVA V KIIDRKK TPT DFVERFLPRE  MDILATV NHR SIIKTYEIFE TSDGRIYIVM ELGVQGD LLE FIKCRGALHE DVARKMFRQL  SSAVKYCHDL DVVHRDLKCE NLLLDKDFNI KLSDFGFSKR CLRDGSGRIV LSKTFCGSAA  YAAPEVLQGI PYQPKVYDIW SLGVILYIMV CGSMPYDDSD IKKMLRIQKE HRVDFPRSKN  LTGECKDLIY RILQPDVNRR LHIDEILSHS WLQPPKPKAM SSASFKREG E GKYRADCKLD  TRPGSRPEHR PDHKLATKPQ QRMLVTPENE DRMEDRLAET SRAKDHHSIG AVEVEKAST</p> <p><b>Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.</b></p>
Specificity:	If you are looking for a specific domain and are interested in a partial protein or a different isoform, please contact us regarding an individual offer.
Characteristics:	Key Benefits:

## Product Details

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- Made to order protein - from design to production - by highly experienced protein experts.
- Protein expressed in mammalian cells and purified in one-step affinity chromatography
- The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.
- State-of-the-art algorithm used for plasmid design (Gene synthesis).

This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.

If you are not interested in a full length protein, please contact us for individual protein fragments.

The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.

Purity:	> 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)
Grade:	custom-made

## Target Details

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Target:	TSSK2
Alternative Name:	Tssk2 ( <a href="#">TSSK2 Products</a> )
Background:	Testis-specific serine/threonine-protein kinase 2 (TSK-2) (TSK2) (TSSK-2) (Testis-specific kinase 2) (EC 2.7.11.1) (Serine/threonine-protein kinase 22B),FUNCTION: Testis-specific serine/threonine-protein kinase required during spermatid development. Phosphorylates 'Ser-281' of TSKS and SPAG16. 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. {ECO:0000269 PubMed:18367677, ECO:0000269 PubMed:18533145, ECO:0000269 PubMed:20053632, ECO:0000269 PubMed:9412477}.
Molecular Weight:	41.0 kDa
UniProt:	<a href="#">O54863</a>

## Application Details

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Application Notes:	We expect the protein to work for functional studies. As the protein has not been tested for
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Application Details

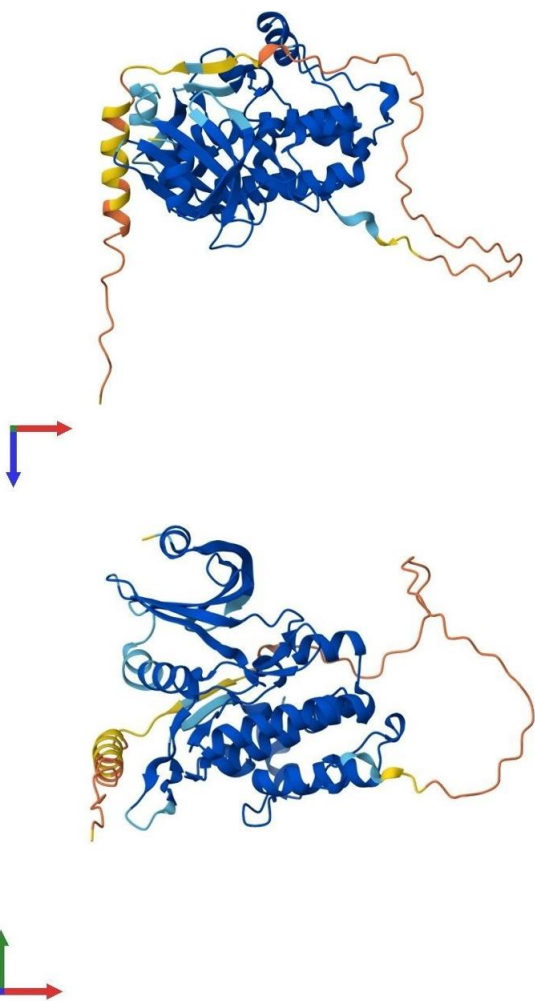
functional studies yet we cannot offer a guarantee though.

Restrictions: For Research Use only

Handling

Format:	Liquid
Buffer:	The buffer composition is at the discretion of the manufacturer.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-80 °C
Storage Comment:	Store at -80°C.
Expiry Date:	12 months

Images

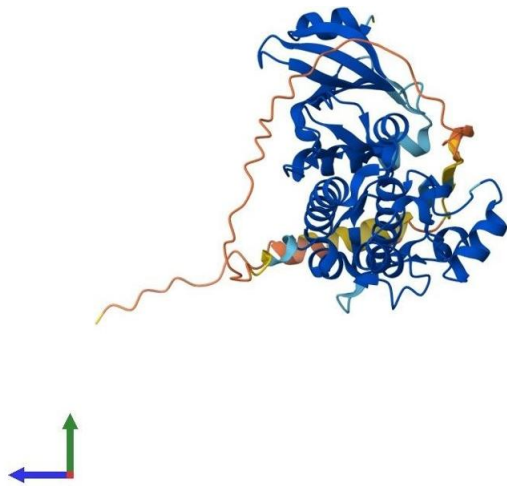


**Protein Structure**

**Image 1.** AlphaFold protein structure prediction of Mouse Recombinant Tssk2 Protein, UniprotID O54863

**Protein Structure**

**Image 2.** AlphaFold protein structure prediction of Mouse Recombinant Tssk2 Protein, UniprotID O54863



#### Protein Structure

**Image 3.** AlphaFold protein structure prediction of Mouse Recombinant Tssk2 Protein, UniprotID O54863