Datasheet for ABIN7544848

TSSK2 Protein (AA 1-358) (His tag)

3 Images

Go to Product page

Overview

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

Product Details

Purpose:	Made-to-order recombinant TSSK2 Protein expressed in mammalian cells.
Sequence:	MDDATVLRKK GYIVGINLGK GSYAKVKSAY SERLKFNVAV KIIDRKKTPT DFVERFLPRE MDILATVNHG SIIKTYEIFE TSDGRIYIIM ELGVQGDLLE FIKCQGALHE DVARKMFRQL SSAVKYCHDL DIVHRDLKCE NLLLDKDFNI KLSDFGFSKR CLRDSNGRII LSKTFCGSAA YAAPEVLQSI PYQPKVYDIW SLGVILYIMV CGSMPYDDSD IRKMLRIQKE HRVDFPRSKN LTCECKDLIY RMLQPDVSQR LHIDEILSHS WLQPPKPKAT SSASFKREGE GKYRAECKLD TKTGLRPDHR PDHKLGAKTQ HRLLVVPENE NRMEDRLAET SRAKDHHISG AEVGKAST **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.**
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

- 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

Target:	TSSK2
Alternative Name:	TSSK2 (TSSK2 Products)
Background:	Testis-specific serine/threonine-protein kinase 2 (TSK-2) (TSK2) (TSSK-2) (Testis-specific kinase 2) (EC 2.7.11.1) (DiGeorge syndrome protein G) (DGS-G) (Serine/threonine-protein kinase 22B),FUNCTION: Testis-specific serine/threonine-protein kinase required during spermatid development. Phosphorylates TSKS at 'Ser-288' 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:15044604, ECO:0000269|PubMed:18533145, ECO:0000269|PubMed:20729278}.
Molecular Weight:	40.9 kDa
UniProt:	Q96PF2

Application Details

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

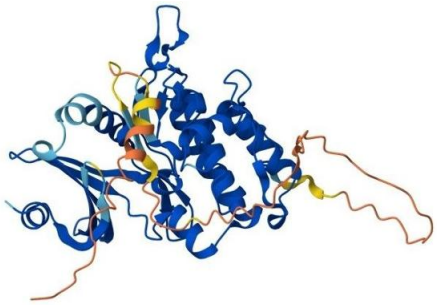
Application Details

	functional studies yet we cannot offer a guarantee though.
Restrictions:	For Research Use only

Handling

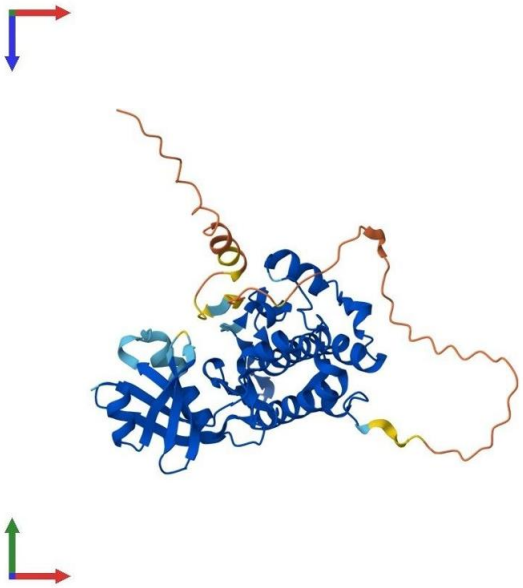
Format:	Liquid
Buffer:	The buffer composition is at the discretion of the manufacturer.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-80 °C
Storage Comment:	Store at -80°C.
Expiry Date:	12 months

Images



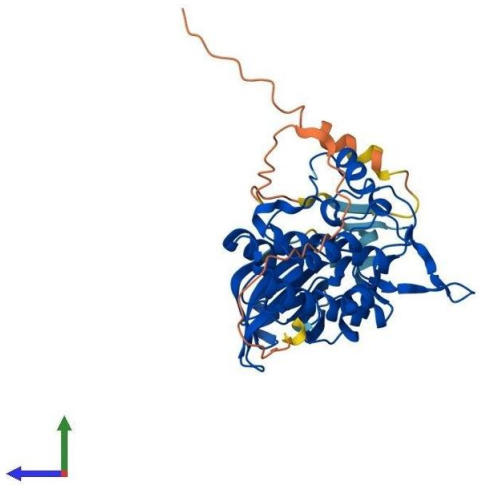
Protein Structure

Image 1. AlphaFold protein structure predicition of Human Recombinant TSSK2 Protein, UniprotID Q96PF2



Protein Structure

Image 2. AlphaFold protein structure predicition of Human Recombinant TSSK2 Protein, UniprotID Q96PF2



Protein Structure

Image 3. AlphaFold protein structure predicition of Human Recombinant TSSK2 Protein, UniprotID Q96PF2