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Datasheet for ABIN7560966  
**TSSK4 Protein (AA 1-328) (His tag)**

## Overview

Quantity:	1 mg
Target:	TSSK4
Protein Characteristics:	AA 1-328
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This TSSK4 protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

## Product Details

Purpose:	Custom-made recombinat Tssk4 Protein expressed in mammalien cells.
Sequence:	MGKGD TSETA SATPAYRSVM EEEGYEVGKI IGHGSYGT VY EAYYTKQKVM VAVKIISKKK ASEDYLNKFL PREIQVMKVL RHKYLINFYQ AIETTSRVYI ILELAQGGDV LEWIQRYGAC AETLAGKWFS QMALGIAYLH SKGIVHRDLK LENLLLDKRE NVKISDFGFA K MVPSSQPVH SSPSYRQMNS LSHLSQTYCG SFAYACPEIL LGLPYNPFLS DTWSMGVILY TLVVARLPFD DTNLKLLRE TQKEVTFPAN LTISQECKNL ILQLLRQSTK RATILDVLRD PWMLKFQPEQ PSNEIRLLEA MYQPTSSAKR HQSLEITT <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>
Characteristics:	Key Benefits: <ul style="list-style-type: none"><li>• Made to order protein - from design to production - by highly experienced protein experts.</li></ul>

## Product Details

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- 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.

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Purity:	> 90 % as determined by Bis-Tris Page, Western Blot
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Grade:	custom-made
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## Target Details

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Target:	TSSK4
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Alternative Name:	Tssk4 ( <a href="#">TSSK4 Products</a> )
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Background:	<p>Testis-specific serine/threonine-protein kinase 4 (TSK-4) (TSSK-4) (Testis-specific kinase 4) (EC 2.7.11.1),FUNCTION: [Isoform 1]: Serine/threonine kinase which is involved in male germ cell development and in mature sperm function (PubMed:17927909, PubMed:23599433, PubMed:23054012, PubMed:25361759, PubMed:26940607). May be involved in the Cre/Creb signaling pathway (PubMed:26940607). Phosphorylates CREB1 on 'Ser-133' in vitro and can stimulate Cre/Creb pathway in cells (By similarity). Phosphorylates CREM on 'Ser-116' in vitro (PubMed:26940607). Phosphorylates ODF2 on 'Ser-95' (PubMed:26961893). {ECO:0000250 UniProtKB:Q6SA08, ECO:0000269 PubMed:17927909, ECO:0000269 PubMed:23054012, ECO:0000269 PubMed:23599433, ECO:0000269 PubMed:25361759, ECO:0000269 PubMed:26940607, ECO:0000269 PubMed:26961893}., FUNCTION: [Isoform 2]: Catalytically inactive. {ECO:0000269 PubMed:17927909}., FUNCTION: [Isoform 3]: Catalytically inactive. {ECO:0000269 PubMed:17927909}., FUNCTION: [Isoform 4]: Catalytically inactive. {ECO:0000269 PubMed:17927909}.</p>
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Molecular Weight:	37.4 kDa
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## Target Details

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UniProt: [Q9D411](#)

## Application Details

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Application Notes: In addition to the applications listed above we expect the protein to work for functional studies as well. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.

Restrictions: For Research Use only

## Handling

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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