

Datasheet for ABIN7544085  
**TSC22D4 Protein (AA 1-395) (His tag)**



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## Overview

Quantity:	1 mg
Target:	TSC22D4
Protein Characteristics:	AA 1-395
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This TSC22D4 protein is labelled with His tag.

## Product Details

Purpose:	Custom-made recombinant TSC22D4 Protein expressed in mammalian cells.
Sequence:	<p>MSGGKKKSSF QITSVTTDYE GPGSPGASDP PTPQPPTGPP PRLPNGEPSP DPGGKGTPRN GSPPPGAPSS RFRVVKLPHG LGEPYRRGRW TCVDVYERDL EPHSFGGLLE GIRGASGGAG GRSLDSRLEL ASLGLGAPTP PSGLSQGPTS WLRPPPTSPG PQARSFTGGL GQLVVPKAK AEKPPLSASS PQQRPPEPET GESAGTSRAA TPLPSLRVEA EAGGSGARTP PLSRRKAVDM RLRMELGAPE EMGQVPLDLS RPSSPALYFT HDASLVHKSP DPFGAVAAQK FSLAHSMLAI SGHLSDDDDS GSGSLVGIDN KIEQAMDLVK SHLMFAVREE VEVLKEQIRE LAERNAALEQ ENGLLRALAS PEQLAQLPSS GVPRLGPPAP NGPSV <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.

## Product Details

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### Characteristics:

#### Key Benefits:

- 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.

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### Purity:

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

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### Grade:

custom-made

## Target Details

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### Target:

TSC22D4

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### Alternative Name:

TSC22D4 ([TSC22D4 Products](#))

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### Background:

TSC22 domain family protein 4 (TSC22-related-inducible leucine zipper protein 2),FUNCTION: Binds DNA and acts as a transcriptional repressor (PubMed:10488076). Involved in the regulation of systematic glucose homeostasis and insulin sensitivity, via transcriptional repression of downstream insulin signaling targets such as OBP2A/LCN13 (By similarity). Acts as a negative regulator of lipogenic gene expression in hepatocytes and thereby mediates the control of very low-density lipoprotein release (PubMed:23307490). May play a role in neurite elongation and survival (By similarity). {ECO:0000250|UniProtKB:Q9EQN3, ECO:0000269|PubMed:10488076, ECO:0000269|PubMed:23307490}.

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### Molecular Weight:

41.0 kDa

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### UniProt:

[Q9Y3Q8](#)

## 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 functional studies yet we cannot offer a guarantee though.

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Restrictions: For Research Use only

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## Handling

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Format: Liquid

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Buffer: The buffer composition is at the discretion of the manufacturer.

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Handling Advice: Avoid repeated freeze-thaw cycles.

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Storage: -80 °C

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Storage Comment: Store at -80°C.

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Expiry Date: 12 months

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