

Datasheet for ABIN7544881

## TSSC1 Protein (AA 1-387) (His tag)



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### Overview

Quantity:	1 mg
Target:	TSSC1
Protein Characteristics:	AA 1-387
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This TSSC1 protein is labelled with His tag.

### Product Details

Purpose:	Custom-made recombinant EIPR1 Protein expressed in mammalian cells.
Sequence:	<p>MEDDAPVIYG LEFQARALTP QTAETDAIRF LVGTQSLKYD NQIHIDFDD ENNIINKNVL</p> <p>LHQAGEIWHI SASPADRGVL TTCYNRTSDS KVLTCAAVWR MPKELESGSH ESPDDSSSTA</p> <p>QTLELLCHLD NTAHGNNMACV VWEPMGDGKK IISLADNHIL LWDLQESSSQ AVLASSASLE</p> <p>GKGQLKFTSG RWSPHHNCTQ VATANDTTLR GWDTRSMSQI YCIENAHGQL VRDLDFNPNK</p> <p>QYYLASCDD CKVKFWDTRN VTEPVKTL EE HSHWVWNVRY NHSHDQLVLT GSDDSRVILS</p> <p>NMVSISSEPF GHLVDDDDIS DQEDHRSEEK SKEPLQDNVI ATYEEHEDSV YAVDWSSADP</p> <p>WLFASLSYDG RLVINRVPR LKYHILL <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:	TSSC1
Alternative Name:	EIPR1 ( <a href="#">TSSC1 Products</a> )
Background:	<p>EARP and GARP complex-interacting protein 1 (Endosome-associated recycling protein-interacting protein) (Golgi-associated retrograde protein-interacting protein) (Tumor-suppressing STF cDNA 1 protein) (Tumor-suppressing subchromosomal transferable fragment candidate gene 1 protein),FUNCTION: Acts as a component of endosomal retrieval machinery that is involved in protein transport from early endosomes to either recycling endosomes or the trans-Golgi network (PubMed:27440922). Mediates the recruitment of Golgi-associated retrograde protein (GARP) complex to the trans-Golgi network and controls early endosome-to-Golgi transport of internalized protein(PubMed:27440922). Promotes the recycling of internalized transferrin receptor (TFRC) to the plasma membrane through interaction with endosome-associated recycling protein (EARP) complex (PubMed:27440922). Controls proper insulin distribution and secretion, and retention of cargo in mature dense core vesicles (By similarity). Required for the stability of the endosome-associated retrograde protein (EARP) complex subunits and for proper localization and association of EARP with membranes (By similarity). {ECO:0000250 UniProtKB:Q5PPK9, ECO:0000269 PubMed:27440922}.</p>

## Target Details

Molecular Weight: 43.6 kDa

UniProt: [Q53HC9](#)

## Application Details

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.

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