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Datasheet for ABIN7544784
TSSC4 Protein (AA 1-329) (His tag)

Overview

Quantity:	1 mg
Target:	TSSC4
Protein Characteristics:	AA 1-329
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This TSSC4 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant TSSC4 Protein expressed in mammalian cells.
Sequence:	MAEAGTGEPS PSVEGEHGTE YDTLPSTVVS LSDSDSDL SL PGGAEVEALS PMGLPGEEDS GPDEPPSPPS GLLPATVQPF HLRGMSSTFS QRSRDIFDCL EGAARRAPSS VAHTSMSDNG GFKRPLAPSG RSPVEGLGRA HRSPASPRVP PVPDYVAHPE RWTKYLEDV TEVSEQSNQA TALAFLGSQS LAAPTDCVSS FNQDPSSCGE GRVIFTKPVR GVEARHERKR VLGKVGEPGR GGLGNPATDR GEGPVELAHL AGPGSPEAEE WGS HHGGLQE VEALSGSVHS GSVPLPPVE TVGFHGSRKR SRDHFRNKSS SPEDPGA EV 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)
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Grade:	custom-made
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Target Details

Target:	TSSC4
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Alternative Name:	TSSC4 (TSSC4 Products)
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Background:	U5 small nuclear ribonucleoprotein TSSC4 (Tumor-suppressing STF cDNA 4 protein) (Tumor-suppressing subchromosomal transferable fragment candidate gene 4 protein),FUNCTION: Protein associated with the U5 snRNP, during its maturation and its post-splicing recycling and which is required for spliceosomal tri-snRNP complex assembly in the nucleus (PubMed:34131137, PubMed:35188580). Has a molecular sequestering activity and transiently hinders SNRNP200 binding sites for constitutive splicing factors that intervene later during the assembly of the spliceosome and splicing (PubMed:35188580). Together with its molecular sequestering activity, may also function as a molecular adapter and placeholder, coordinating the assembly of the U5 snRNP and its association with the U4/U6 di-snRNP (PubMed:34131137). {ECO:0000269 PubMed:34131137, ECO:0000269 PubMed:35188580}.
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Molecular Weight:	34.3 kDa
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UniProt:	Q9Y5U2
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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
