

Datasheet for ABIN7555452
TSEN54 Protein (AA 1-526) (His tag)



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Overview

Quantity:	1 mg
Target:	TSEN54
Protein Characteristics:	AA 1-526
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This TSEN54 protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Purpose:	Custom-made recombinat TSEN54 Protein expressed in mammalien cells.
Sequence:	MEPEPEPAAV EVPAGRVLSA RELFAARSRS QKLPQRSHGP KDFLPDGSAA QAERLRRCRE ELWQLLAEQR VERLGSLVAA EWRPEEGFVE LKSPAGKFWQ TMGFSEQGRQ RLHPPEALYL LECGSIHLFH QDLPLSIQEA YQLLLTDHTV TFLQYQVFSH LKRLGYVVRR FQPSSVLSPY ERQLNLDASV QHLEDGDGKR KRSSSSPRSI NKKAKALDNS LQPKSLAASS PPPCSQPSQC PEEKQESSP MKGPGGPFQL LGSLGSPGP AREGVGCSWE SGRAENGVTG AGKRRWNFEQ ISFPNMA SDS RHTLLRAPAP ELLPANVAGR ETDAESWCQK LNQRKEKLSR REREHHAEEA QFQEDVNADP EVQRCSSWRE YKELLQRRQV QRSQRRAPHL WGQPVTPLLS PGQASSPAVV LQHISVLQTT HLPDGGARLL EKSGGLEIIF DVYQADAVAT FRKNNPGKPY ARMCISGFDE PVPDLCSLKR LSYQSGDVPL IFALVDHGDI SFYSFRDFTL PQDVGH 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

Product Details

request, please contact us.

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.

Purity:

> 90 % as determined by Bis-Tris Page, Western Blot

Grade:

custom-made

Target Details

Target:

TSEN54

Alternative Name:

TSEN54 ([TSEN54 Products](#))

Background:

TRNA-splicing endonuclease subunit Sen54 (SEN54 homolog) (HsSEN54) (tRNA-intron endonuclease Sen54),FUNCTION: Non-catalytic subunit of the tRNA-splicing endonuclease complex, a complex responsible for identification and cleavage of the splice sites in pre-tRNA. It cleaves pre-tRNA at the 5' and 3' splice sites to release the intron. The products are an intron and two tRNA half-molecules bearing 2',3' cyclic phosphate and 5'-OH termini. There are no conserved sequences at the splice sites, but the intron is invariably located at the same site in the gene, placing the splice sites an invariant distance from the constant structural features of the tRNA body. The tRNA splicing endonuclease is also involved in mRNA processing via its association with pre-mRNA 3'-end processing factors, establishing a link between pre-tRNA splicing and pre-mRNA 3'-end formation, suggesting that the endonuclease subunits function in multiple RNA-processing events. {ECO:0000269|PubMed:15109492}.

Molecular Weight:

58.8 kDa

Target Details

UniProt: [Q7Z6J9](#)

Pathways: [Synaptic Membrane](#)

Application Details

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

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
