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Datasheet for ABIN7564403

**TSEN34 Protein (AA 1-316) (His tag)**

## Overview

Quantity:	1 mg
Target:	TSEN34
Protein Characteristics:	AA 1-316
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This TSEN34 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

## Product Details

Purpose:	Custom-made recombinat Tsen34 Protein expressed in mammalien cells.
Sequence:	MLWVEVANGR SLVWGAEAVQ ALRERLGVGG RTVGALPRGP RQNSRLGLPL LLLPEEARLL AEIGAVTLVS APRPDRNHG LALASFKRQQ EQSFQDQNTL AAEARETRRQ ELLEKIVEGQ AAKKQKLEQD SGADEGGQEA GGSEATQGSE TSDDGQPSAE QEGAAPSLDS SSPQPGPSNG VTPLPRSALL IQLATARPRP VKAKPLDWRV QSKDWPHAGR PAHELRYSIY RDLWERGFFL SAAGKFGGDF LVYPGDPLRF HAHYIAQCWS AEDPIPLQDL VSAGRLGTSV RKTLLLCSPQ PDGKVVYTSL QWASLQ <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:	TSEN34
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Alternative Name:	Tsen34 ( <a href="#">TSEN34 Products</a> )
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Background:	TRNA-splicing endonuclease subunit Sen34 (EC 4.6.1.16) (Leukocyte receptor cluster member 5 homolog) (tRNA-intron endonuclease Sen34),FUNCTION: Constitutes one of the two 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 (By similarity). {ECO:0000250}.
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Molecular Weight:	34.2 kDa
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UniProt:	<a href="#">Q8BMZ5</a>
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## 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.

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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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