

Product datasheet

Recombinant Human TSEN34 protein ab163969

1 Image

Overview

<b>Product name</b>	Recombinant Human TSEN34 protein
<b>Protein length</b>	Full length protein

Description

<b>Nature</b>	Recombinant
<b>Source</b>	Wheat germ
<b>Amino Acid Sequence</b>	
<b>Species</b>	Human
<b>Sequence</b>	MLVVEVANGRSLVWGAEAVQALRERLGVGGRTVGAL PRGPRQNSRLGLPL LLMPEEARLLAEIGAVTLVSAPRPDSRHSLALTSFKR QQEESFQEQSAL AAARETRRQEVLEKITEGQAAKKQKLEQASGASSSQ EAGSSQAAKEDET SDGQASGEQEEAGPSSSQAGPSNGVAPLPRSALLVQ LатарPRPVKARPL DWRVQSKDWPAGRPAHELRYSIYRDLWERGFFLSA AGKFGGDFLVYPGD PLRFHAHYAQCWAPEDTSHSKTWLLLGALEPASERP CSSVLRSLMVRWS TPPCNGPACSELQRPRGCGCVGSKSLSGCSPALLW ESRTSSYLSPLVFD SRFSTTSFLCSSLFQSTYWLCFCSYLFSHCELPENG AWW
<b>Amino acids</b>	1 to 390
<b>Tags</b>	proprietary tag N-Terminus

Specifications

Our [Abpromise guarantee](#) covers the use of **ab163969** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

<b>Applications</b>	ELISA
---------------------	-------

	Western blot
<b>Form</b>	Liquid
<b>Additional notes</b>	Protein concentration is above or equal to 0.05 mg/ml.

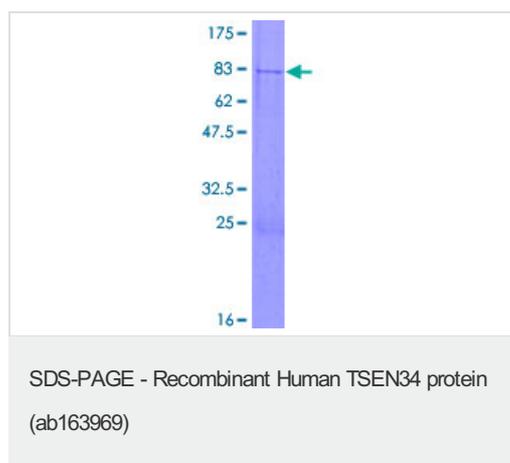
## Preparation and Storage

<b>Stability and Storage</b>	Shipped on dry ice. Upon delivery aliquot and store at -80°C. Avoid freeze / thaw cycles. pH: 8.00 Constituents: 0.31% Glutathione, 0.79% Tris HCl
------------------------------	--

## General Info

<b>Function</b>	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. It probably carries the active site for 3'-splice site cleavage. 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.
<b>Involvement in disease</b>	Pontocerebellar hypoplasia 2C
<b>Sequence similarities</b>	Belongs to the tRNA-intron endonuclease family.
<b>Cellular localization</b>	Nucleus. Nucleus, nucleolus. May be transiently localized in the nucleolus.

## Images



ab163969 on a 12.5% SDS-PAGE stained with Coomassie Blue.

**Please note:** All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE"

**Our Abpromise to you: Quality guaranteed and expert technical support**

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
  
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.com/abpromise> or contact our technical team.

### **Terms and conditions**

---

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors