

Datasheet for ABIN7551486

## ELAC1 Protein (ELAC1) (AA 1-363) (His tag)



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### Overview

Quantity:	1 mg
Target:	ELAC1
Protein Characteristics:	AA 1-363
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This ELAC1 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

### Product Details

Purpose:	Custom-made recombinat ELAC1 Protein expressed in mammalian cells.
Sequence:	<p>MSMDVTFLGT GAAYPSPTRG ASAVVLRCEG ECWLFDCGEG TQTQLMKSQL KAGRITKIFI          THLHGDHFFG LPGLLCTISL QSGSMVSKQP IEIYGPVGLR DFIWRTMELS HTELVFHYVV          HELVPTADQC PAEELKEFAH VNRADSPPE EQGRTILLDS EENSYLELFD EQFVVKAFRL          FHRIPSGFGS VVEKKRPGKL NAQKLKDLGV PPGPAYGKLK NGISVVLENG VTISPQDVLK          KPIVGRKICI LGDCSGVVG DGGVKLCFEAD LLIHEATLDD AQMDKAKEHG HSTPQMAATF          AKLCRAKRLV LTHFSQRYKP VALAREGETD GIAELKKQAE SVLDLQEVTL AEDFMVISIP IKK</p> <p><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>
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, Western Blot
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Grade:	custom-made
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## Target Details

Target:	ELAC1
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Alternative Name:	ELAC1 ( <a href="#">ELAC1 Products</a> )
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Background:	Zinc phosphodiesterase ELAC protein 1 (EC 3.1.26.11) (Deleted in Ma29) (ElaC homolog protein 1) (Ribonuclease Z 1) (RNase Z 1) (tRNA 3' endonuclease 1) (tRNase Z 1),FUNCTION: Zinc phosphodiesterase, which displays some tRNA 3'-processing endonuclease activity (PubMed:12711671, PubMed:32075755). Specifically involved in tRNA repair: acts downstream of the ribosome-associated quality control (RQC) pathway by removing a 2',3'-cyclic phosphate from tRNAs following cleavage by ANKZF1 (PubMed:32075755). tRNAs are then processed by TRNT1 (PubMed:32075755). {ECO:0000269 PubMed:12711671, ECO:0000269 PubMed:32075755}.
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Molecular Weight:	40.0 kDa
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UniProt:	<a href="#">Q9H777</a>
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## Application Details

Application Notes:	In addition to the applications listed above we expect the protein to work for functional studies
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Application Details

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