

Recombinant human ELAC1 protein

Catalog Number: ATGP3116

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-363aa

UniProt No.

Q9H777

NCBI Accession No.

NP_061166

Alternative Names

Zinc phosphodiesterase ELAC protein 1, D29

PRODUCT SPECIFICATION

Molecular Weight

42.4 kDa (386aa) confirmed by MALDI-TOF

Concentration

0.5mg/ml (determined by absorbance at 280nm)

Formulation

Liquid in. Phosphate-Buffered Saline (pH 7.4) containing 10% glycerol, 1mM DTT

Purity

> 80% by SDS-PAGE

Tag

His-Tag

Application

SDS-PAGE

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description

ELAC1 also known as Zinc phosphodiesterase ELAC protein 1. Zinc phosphodiesterase, which displays some tRNA 3'-processing endonuclease activity. Probably involved in tRNA maturation, by removing a 3'-trailer from precursor tRNA. Recombinant human ELAC1 was expressed in E. coli and purified by using conventional chromatography techniques.

Amino acid Sequence

<MGSSHHHHHH SGLVPRGSH MGS>MSMDVTF LGTGAAYPSP TRGASAVVLR CECECWLFDC GEGTQTQLMK

Recombinant human ELAC1 protein

Catalog Number: ATGP3116

SQLKAGRITK IFITHLHGDH FFGLPGLLCT ISLQSGSMVS KQPIEIYGPV GLRDFIWRM ELSHTELVFH YVVHELVP
DQCPAEELKE FAHVNRADSP PKEEQGRTIL LDSEENSYLL FDDEQFVVKAFRLFHRIPSF GFSVVEKKRP GKLNAQKLK
LGVPPGPAYG KLKNGISVVL ENGVITSPQD VLKKPIVGRK ICILGDCSGV VGDGGVKLCF EADLLIHEAT LDDAQMDKAK
EHGHSTPQMA ATFAKLCRAK RLVLT HFSQR YKPVALAREG ETDGIAELKK QAESVLDLQE VTLAEDFMVI SIPIKK

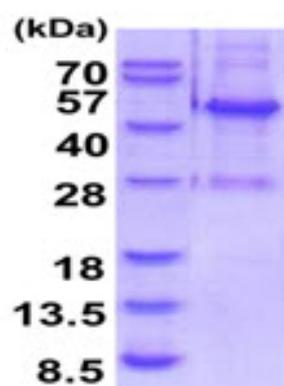
General References

Brzezniak L.K., et al. (2011) RNA Biol. 8:616-626.

Takaku H., et al. (2003) Nucleic Acids Res. 31:2272-2278.

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

15% SDS-PAGE (3ug)