

ELAC1, 1-363aa, Human, His tag, E.coli

Cat.NO.: TP02006

3th Edition

Synonyms: Zinc phosphodiesterase ELAC protein 1 , D29

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.

Form: Liquid. In Phosphate buffered saline (pH7.4) containing 10% glycerol, 1mM DTT

Molecular Weight: 42.4 kDa (386aa) confirmed by MALDI-TOF

Sequences:

MGSSHHHHHHSSGLVPRGSHMGSMMDVTFLGTGAAYPSPTRGASAVVLRCEGECWLFDCGEGTQTQLMKSQL
KAGRITKIFITHLHGDHFFGLPGLLCTISLQSGSMVSKQPIEIYGPVGLRDFIWRTMELSHTELVFHYVVHELVPADQ
CPAEELKEFAHVNRADSPPKKEEQGRTILLDSEENS YLLFDDEQFVVKAFRLFHRIPSFSGFSVVEKKRPGKLNAAQKLK
DLGVPPGPAYGKLKNGISVVLENGVTISPQDVLKKPIVGRKICILGDCSGVVGDGGVKLCFEADLLIHEATLDDAQMD
KAKEHGHSTPQMAATFAKLCRAKRLVLTHFSQRYKPVALAREGETDGIAELKKQAESVLDLQEVTLAEDFMVISIPIK
K

Purity: > 95% by HPLC

Concentration: 0.5mg/ml (determined by Absorbance at 280nm)

Endotoxin Level: <1.0 EU per 1 ug of protein (determined by LAL method)

Storage: Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.