

**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:**

MGSSHHHHHSSGLVPRGSHMGSMMDVTFLGTGAAYPSPTRGASAVVLRCEGECWLFDCGEGTQTQLMKSQ  
KAGRITKIFITHLHGDHFFGLPGLLCTISLQSGSMVSKQPIEIYGPVGLRDFIWRTMELSHTELVFHYVVHELVP  
CPAEELKEFAHVNRADSPPKKEEQGRTILLDSEENSYLLFDDEQFVVKAFLRFHRIPSGFVSVEKKRPGKLN  
DLGVPPGPAYGKLNKNGISVLENGVTISPQDVLKPIVGRKICILGDCSGVVGDGGVKLCFEADLLIHEATL  
DQAQMD KAKEHGHSTPQMAATFAKLCRAKRLVLTHFSQRYKPVALAREGETDGIAELKKQAESVLDLQEV  
TLAEDFMVISIPIK 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.