

# Recombinant Human ELAC1 Protein, Myc/DDK-tagged, C13 and N15-labeled

**Cat. No.** ELAC1-2236H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | ELAC1 MS Standard C13 and N15-labeled recombinant protein (NP_061166) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.                                                                                                                                                                                                                                                                                                 |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Description</b>      | Zinc phosphodiesterase, which displays some tRNA 3'-processing endonuclease activity. Probably involved in tRNA maturation, by removing a 3'-trailer from precursor tRNA.                                                                                                                                                                                                                                                           |
| <b>Molecular Mass</b>   | 40 kDa                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>AA Sequence</b>      | MSMDVTFLLGTGAAYPSPTRGASAVVLRCEGECWLFDCGEGTQTQLMKSQLKAGRI<br>TKIFITHLHGDHFFGLPGLLCTISLQSGSMVSKQPIEIYGPVGLRDFIWRTMELSHTEL<br>VFHYVVHELVPADQCPAEELKEFAHVNRAADSPKKEEQGRTILLDSEENSYLELLFDDE<br>QFVVKAFRLFHRIPSFSGFSVVEKKRPGKLNQKLKDLGVPPGPAYGKLKNGISVVLE<br>NGVTISPQDVLKKPIVGRKICILGDCSGVVGDDGVKLCFEADLLIHEATLDDAQMDKA<br>KEHGHSTPQMAATFAKLCRAKRLVLTHFSQRYKPVALAREGETDGAELKKQAESVL<br>DLQEVTLAEDFMVISIPIKTRTRPLEQKLISEEDLAANDILDYKDDDDKV |
| <b>Purity</b>           | > 80% as determined by SDS-PAGE and Coomassie blue staining                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Stability</b>        | Stable for 3 months from receipt of products under proper storage and handling                                                                                                                                                                                                                                                                                                                                                      |

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conditions.

**Storage** Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

**Concentration** 50 µg/mL as determined by BCA

**Storage Buffer** 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

## GENE INFORMATION

**Gene Name** ELAC1 elaC ribonuclease Z 1 [ Homo sapiens (human) ]

**Official Symbol** ELAC1

**Synonyms** ELAC1; elaC ribonuclease Z 1; elaC (E. coli) homolog 1; zinc phosphodiesterase ELAC protein 1; D29; tRNA Z (short form); RNase Z 1; tRNase ZS; tRNase Z 1; deleted in Ma29; ribonuclease Z 1; tRNA 3 endonuclease 1; elaC homolog protein 1; tRNA 3 processing endoribonuclease; FLJ59261;

**Gene ID** 55520

**mRNA Refseq** NM\_018696

**Protein Refseq** NP\_061166

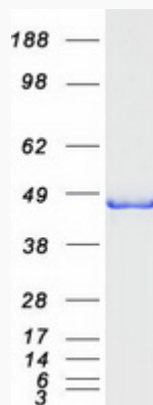
**MIM** 608079

**UniProt ID** Q9H777

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**SDS-PAGE**

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