

Product datasheet for **TP300764M**

ELAC2 (NM_018127) Human Recombinant Protein

Product data:

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| Product Type: | Recombinant Proteins |
| Description: | Recombinant protein of human elaC homolog 2 (E. coli) (ELAC2), 100 µg |
| Species: | Human |
| Expression Host: | HEK293T |
| Expression cDNA Clone or AA Sequence: | >RC200764 protein sequence Red=Cloning site Green=Tags(s) |

MWALCSLLRSAAGRTMSQGRITISQAPARRERPRKDPLRHLRTREKRGPSGCSGGPNTVYLQVVAAGSRDS
GAALYVFSEFNRYLFNCGEGVQRLMQEHKLVARLDNIFLTRMHWSNVGGLSGMILTLKETGLPKCVLSG
PPQLEKYLEAIKIFSGPLKGIELAVRPHSAPEYEDTMTVYQIPIHSEQRRGKHQPWQSPERPLSRLSPE
RSSDSELNENEPHPLPHGVSQRRGVRDSSLVAFICKLHLKRGNFVLKAKEMGLPVGTAAPIIAAVKD
GKSITHEGREILAEELCTPPDPGAAFVWVECPDESFIQPICENATFQRYQ GKADAPVALVHMAPASVLV
DSRYQQWMERFGPDTQHLVLNENCASVHNLRSKIQTLNLIHPDIFPLLTFRCKKEGPTLSVPMVQGE
CLLKYQLRPRREWQRDAIITCNPEEFIVEALQLPNFQQSVQYERRSAQDGPAPA EKRSQYPEIIFLGTGS
AIPMKIRNVSATLVNISPDTSLLLDCGEGTFGQLCRHYGDQVDRVLGTLAAVFSHLHADHHTGLPSILL
QRERALASLGKPLHPLLWAPNQLKAWLQQYHNQCQEVLLHHISMIPAKCLQEGAEISSPAVERLISSLLR
TCDLEEFQTCLVRHCKHAFGCALVHTSGWKVVYSGDTPCEALVRMGKDATLLIHEATLEDGLEEEAVEK
THSTTSQAISVGMRMNAEFIMLNHFSQRYAKVPLFSPNFSEKVGVAFDHMKVCFGDFPTMPKLIPLKAL
FAGDIEEMEERREKRELQVRAALLSRELAGGLEDGEPQQKRAHTEEPQAKKVVRAQ

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

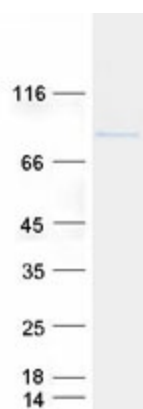
| | |
|----------------|--|
| Tag: | C-Myc/DDK |
| Predicted MW: | 92 kDa |
| Concentration: | >0.05 µg/µL as determined by microplate BCA method |
| Purity: | > 80% as determined by SDS-PAGE and Coomassie blue staining |
| Buffer: | 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol |
| Preparation: | Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps. |
| Note: | For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process. |



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| Storage: | Store at -80°C. |
| Stability: | Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles. |
| RefSeq: | NP_060597 |
| Locus ID: | 60528 |
| UniProt ID: | Q9BQ52 , A0A0S2Z5M8 |
| RefSeq Size: | 3814 |
| Cytogenetics: | 17p12 |
| RefSeq ORF: | 2478 |
| Synonyms: | COXPD17; ELC2; HPC2 |
| Summary: | The protein encoded by this gene has a C-terminal domain with tRNA 3' trailer processing endoribonuclease activity, which catalyzes the removal of the 3' trailer from precursor tRNAs. The protein also interacts with activated Smad family member 2 (Smad2) and its nuclear partner forkhead box H1 (also known as FAST-1), and reduced expression can suppress transforming growth factor-beta induced growth arrest. Mutations in this gene result in an increased risk of prostate cancer. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Sep 2009] |
| Protein Families: | Druggable Genome, Stem cell - Pluripotency |

Product images:



Coomassie blue staining of purified ELAC2 protein (Cat# [TP300764]). The protein was produced from HEK293T cells transfected with ELAC2 cDNA clone (Cat# [RC200764]) using MegaTran 2.0 (Cat# [TT210002]).