

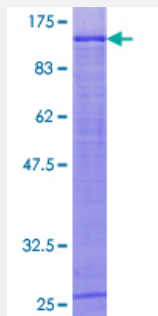
Full-Length

ELAC2 (Human) Recombinant Protein (P01)

Catalog # H00060528-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human ELAC2 full-length ORF (NP_060597.3, 1 a.a. - 826 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MWALCSLLRSAAGRTMSQGRTISQAPARRERPRKDPLRHLRTREKRGPSGCSGGPNTVYLQVV
AAGSRDSGAALYVFSEFNRYLFNCGEGVQRLMQEHKLKVARLDNIFLTRMHWSNVGGLSGMILT
KETGLPKCVLSGPPQLEKYLEAIKIFSGPLKGIELAVRPHSAPEYEDTMTVYQIPIHSEQRRGKHQ
PWQSPERPLSRLSPERSSDSELNENEPHLPHGVSQRRGVDRDSSLVAFICKLHLKGNFLVLKA
KEMGLPVGTAIIPIIAAVKDGKSITHEGREILAEELCTPPDPGAAFVVVECPDESFIQPICENATFQ
RYQGKADAPVALVHMAPASVLVDSRYQQWMERFGPDTQHLVLNENCASVHNLRSHKIQTQLN
LIHPDIFPLLTSFRCKKEGPTLSVPMVQGECLLKYQLRPRREWQRDAITCNPEEFVEALQLPNFQ
QSVQEYRRSAQDGPAPAEKRSQYPEIIFLTGSAIPMKIRNVSATLVNISPDTSLLLDCEGTFGQL
CRHYGDQVDRVLGTAAVVFVSHLHADHHTGLPSILLQRERALASLGKPLHPLLVVAPNQLKAWLQ
QYHNQCQEVLLHHISMIPAKCLQEAGAEISSPAVERLISSLLRTCDLEEFQTCLVRHCKHAFGCALVH
TSGWKVVYSGDTMPCEALVRMGKDATLLIHEATLEDGLEEEAVEKTHSTTSQAISVGMRMNAEFI
MLNHFSQRYAKVPLFSPNFSEKVGVAFDHMKVCFGDFPTMPKLIPPLKALFAGDIEEMEERREK
RELQVRAALLSRELAGGLEDGEPQQKRAHTEEPQAKKVRAQ

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

118.6

Interspecies Antigen Sequence

Mouse (81); Rat (81)

Preparation Method	in vitro wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — ELAC2

Entrez GeneID	60528
GeneBank Accession#	NM_018127.4
Protein Accession#	NP_060597.3
Gene Name	ELAC2
Gene Alias	ELC2, FLJ10530, FLJ36693, FLJ42848, HPC2
Gene Description	elaC homolog 2 (E. coli)
Omim ID	176807 605367
Gene Ontology	Hyperlink

Gene Summary

The protein encoded by this gene has a C-terminal domain with tRNA 3' 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]

Other Designations

elaC homolog 2|hereditary prostate cancer|putative prostate cancer susceptibility protein|tRNA Z (long form)

Disease

- [Adenocarcinoma](#)
- [Alzheimer disease](#)
- [Asthma](#)
- [Cardiovascular Diseases](#)
- [Diabetes Complications](#)
- [Genetic Predisposition to Disease](#)
- [Metabolic Syndrome X](#)
- [Neoplasm Metastasis](#)
- [Neoplasms](#)
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