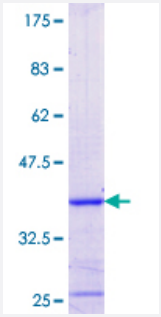
ELAC2 (Human) Recombinant Protein (Q01)

Catalog # H00060528-Q01 Size 10 ug, 25 ug

Applications



Specification

Product Description	Human ELAC2 partial ORF (NP_060597.3, 2 a.a. - 100 a.a.) recombinant protein with GST-tag at N -terminal.
Sequence	WALCSLLRSAAGRTMSQGRTISQAPARRERPRKDPLRHLRTREKRGPSGCSGGPNTVYLQVVAA GSRDSGAALYVFSEFNRYLFNCGEGVQRLMQEHKL
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	36.63
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
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
- Osteoporosis
- Prostate cancer
- Prostatic Hyperplasia
- Prostatic Neoplasms