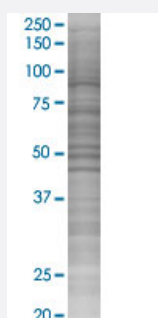


# ELAC2 293T Cell Transient Overexpression Lysate(Denatured)

Catalog # H00060528-T02

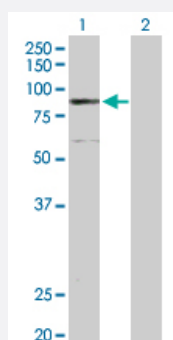
Size 100 uL

## Applications



### SDS-PAGE Gel

ELAC2 transfected lysate.



### Western Blot

Lane 1: ELAC2 transfected lysate ( 92.20 KDa)

Lane 2: Non-transfected lysate.

## Specification

|                               |                        |
|-------------------------------|------------------------|
| Transfected Cell Line         | 293T                   |
| Plasmid                       | pCMV-ELAC2 full-length |
| Host                          | Human                  |
| Theoretical MW (kDa)          | 92.2                   |
| Interspecies Antigen Sequence | Mouse (81); Rat (81)   |

**Quality Control Testing**

Transient overexpression cell lysate was tested with Anti-ELAC2 antibody ([H00060528-D01P](#)) by Western Blots.  
SDS-PAGE Gel  
ELAC2 transfected lysate.  
Western Blot  
Lane 1: ELAC2 transfected lysate ( 92.20 KDa)  
Lane 2: Non-transfected lysate.

**Storage Buffer**

1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)

**Storage Instruction**

Store at -80°C. Aliquot to avoid repeated freezing and thawing.

## Applications

- Western Blot

## 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](#)
- [Osteoporosis](#)
- [Prostate cancer](#)
- [Prostatic Hyperplasia](#)
- [Prostatic Neoplasms](#)