abcam

Product datasheet

Recombinant Human ELAC2 protein ab163728

1 Image

Description

Product name	Recombinant Human ELAC2 protein
Expression system	Wheat germ
Protein length	Full length protein
Animal free	No
Nature	Recombinant
Species	Human
Sequence	MWALCSLLRSAAGRTMSQGRTISQAPARRERPRKDPLRH LRTREKRGPSG CSGGPNTVYLQVVAAGSRDSGAALYVFSEFNRYLFNCGE GVQRLMQEHKL KVARLDNIFLTRMHWSNVGGLSGMILTLKETGLPKCVLSG PPQLEKYLEA IKIFSGPLKGIELAVRPHSAPEYEDETMTVYQIPIHSEQRRG KHQPWQSP ERPLSRLSPERSSDSELNENEPHLPHGVSQRRGVRDSSL VVAFICKLHLK RGNFLVLKAKEMGLPVGTAAIAPIIAAVKDGKSITHEGREIL AEELCTPP DPGAAFVVVECPDESFIQPICENATFQRYQGKADAPVALV VHMAPASVLV DSRYQQWMERFGPDTQHLVLNENCASVHNLRSHKIQTQL NLIHPDIFPLL TSFRCKKEGPTLSVPMVQGECLLKYQLRPRREWQRDAIIT CNPEEFIVEA LQLPNFQQSVQEYRRSAQDGPAPAEKRSQYPEIIFLGTGS AIPMKIRNVS ATLVNISPDTSLLLDCGEGTFGQLCRHYGDQVDRVLGTLA AVFVSHLHAD HHTGLPSILLQRERALASLGKPLHPLLVVAPNQLKAWLQQ YHNQCQEVLH HISMIPAKCLQEGAEISSPAVERLISSLLRTCDLEEFQTCLV RHCKHAFG CALVHTSGWKVVYSGDTMPCEALVRMGKDATLLIHEATL EDGLEEEAVEK THSTTSQAISVGMRMNAEFIMLNHFSQRYAKVPLFSPNFS

EKVGVAFDHM
KVCFGDFPTMPKLIPPLKALFAGDIEEMEERREKRELRQV
RAALLSRELA GGLEDGEPQQKRAHTEEPQAKKVRAQ

Amino acids 1 to 826

Tags GST tag N-Terminus

Specifications

Our **Abpromise guarantee** covers the use of **ab163728** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications ELISA

Western blot

Form Liquid

Additional notes

Preparation and Storage

Stability and Storage Shipped on dry ice. Upon delivery aliquot and store at -80ºC. Avoid freeze / thaw cycles.

pH: 8.00
Constituents: 0.31% Glutathione, 0.79% Tris HCl

General Info

Function Zinc phosphodiesterase, which displays some tRNA 3'-processing endonuclease activity. Probably involved in tRNA maturation, by removing a 3'-trailer from precursor tRNA.

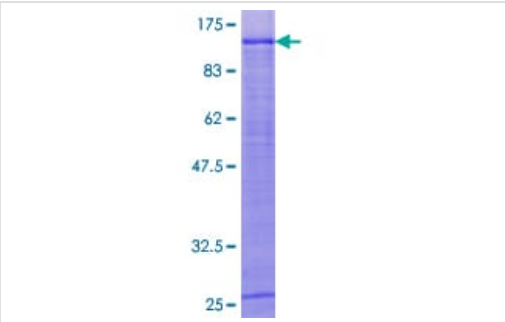
Tissue specificity Widely expressed. Highly expressed in heart, placenta, liver, skeletal muscle, kidney, pancreas, testis and ovary. Weakly expressed in brain, lung, spleen, thymus, prostate, small intestine, colon and leukocytes.

Involvement in disease Defects in ELAC2 may be a cause of susceptibility to prostate cancer (PC) [MIM:176807]. It is a malignancy originating in tissues of the prostate. Most prostate cancers are adenocarcinomas that develop in the acini of the prostatic ducts. Other rare histopathologic types of prostate cancer that occur in approximately 5% of patients include small cell carcinoma, mucinous carcinoma, prostatic ductal carcinoma, transitional cell carcinoma, squamous cell carcinoma, basal cell carcinoma, adenoid cystic carcinoma (basaloid), signet-ring cell carcinoma and neuroendocrine carcinoma.

Sequence similarities Belongs to the RNase Z family.

Cellular localization Nucleus.

Images



SDS-PAGE - Recombinant Human ELAC2 protein (ab163728)

ab163728 on a 12.5% SDS-PAGE stained with Coomassie Blue.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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