Recombinant Full Length Human ELAC2 Protein, Flag tagged

Cat. No. ELAC2-33HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant protein of human elaC homolog 2 (E.coli) (ELAC2) with C-Flag tag was expressed in HEK293T.
Species	Human
Source	HEK293T
ProteinLength	1-826 aa
Description	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.
Form	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Molecular Mass	92 kDa
AASequence	MWALCSLLRSAAGRTMSQGRTISQAPARRERPRKDPLRHLRTREKRGPSGCSGGP NTVYLQVVAAGSRDSGAALYVFSEFNRYLFNCGEGVQRLMQEHKLKVARLDNIFLT

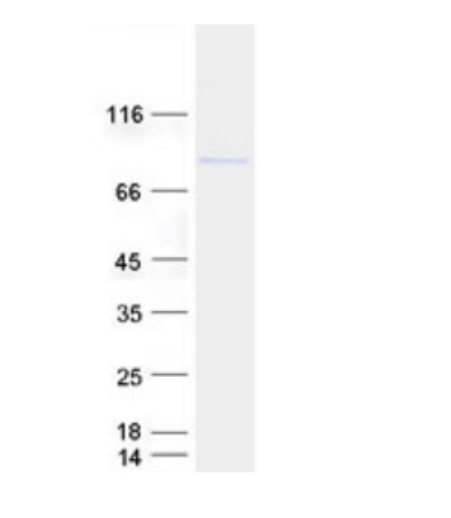
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	RMHWSNVGGLSGMILTLKETGLPKCVLSGPPQLEKYLEAIKIFSGPLKGIELAVRPHS APEYEDETMTVYQIPIHSEQRRGKHQPWQSPERPLSRLSPERSSDSELNENEPHLP HGVSQRRGVRDSSLVVAFICKLHLKRGNFLVLKAKEMGLPVGTAAIAPIIAAVKDGKS ITHEGREILAEELCTPPDPGAAFVVVECPDESFIQPICENATFQRYQGKADAPVALVV HMAPASVLVDSRYQQWMERFGPDTQHLVLNENCASVHNLRSHKIQTQLNLIHPDIF PLLTSFRCKKEGPTLSVPMVQGECLLKYQLRPRREWQRDAIITCNPEEFIVEALQLP NFQQSVQEYRRSAQDGPAPAEKRSQYPEIIFLGTGSAIPMKIRNVSATLVNISPDTSL LLDCGEGTFGQLCRHYGDQVDRVLGTLAAVFVSHLHADHHTGLPSILLQRERALASL GKPLHPLLVVAPNQLKAWLQQYHNQCQEVLHHISMIPAKCLQEGAEISSPAVERLIS SLLRTCDLEEFQTCLVRHCKHAFGCALVHTSGWKVVYSGDTMPCEALVRMGKDAT LLIHEATLEDGLEEEAVEKTHSTTSQAISVGMRMNAEFIMLNHFSQRYAKVPLFSPNF SEKVGVAFDHMKVCFGDFPTMPKLIPPLKALFAGDIEEMEERREKRELRQVRAALLS RELAGGLEDGEPQQKRAHTEEPQAKKVRAQTRTRPLEQKLISEEDLAANDILDYKDD DDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Notes	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage	Store at -80 centigrade. Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Concentration	>0.05 μg/μL as determined by microplate BCA method

GENE INFORMATION

Gene Name	ELAC2 elaC homolog 2 (E. coli) [Homo sapiens (human)]
Official Symbol	ELAC2

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Synonyms	ELAC2; elaC homolog 2 (E. coli); elaC (E. coli) homolog 2; zinc phosphodiesterase ELAC protein 2; FLJ10530; HPC2; tRNase Z (long form); RNase Z 2; tRNase Z 2; ribonuclease Z 2; tRNA 3 endonuclease 2; elaC homolog protein 2; heredity prostate cancer protein 2; putative prostate cancer susceptibility protein HPC2/ELAC2; ELC2; FLJ36693; FLJ42848;
Gene ID	60528
mRNA Refseq	NM_018127
Protein Refseq	NP_060597
MIM	605367
UniProt ID	Q9BQ52
SDS-PAGE	

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