

Product datasheet for **RC229023L4V**

ELAC2 (NM_173717) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	ELAC2 (NM_173717) Human Tagged ORF Clone Lentiviral Particle
Symbol:	ELAC2
Synonyms:	COXPD17; ELC2; HPC2
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_173717
ORF Size:	2475 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC229023).
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
RefSeq:	NM_173717.1 , NP_776065.1
RefSeq Size:	3811 bp
RefSeq ORF:	2478 bp
Locus ID:	60528
UniProt ID:	Q9BQ52
Cytogenetics:	17p12
Protein Families:	Druggable Genome, Stem cell - Pluripotency
MW:	92.1 kDa



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Gene Summary:

The protein encoded by this gene has a C-terminal domain with tRNA 3' trailer 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, Sep 2009]