

Product datasheet for **RC212873L4V**

ALKBH3 (NM_139178) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	ALKBH3 (NM_139178) Human Tagged ORF Clone Lentiviral Particle
Symbol:	ALKBH3
Synonyms:	ABH3; DEPC-1; DEPC1; hABH3; PCA1
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_139178
ORF Size:	841 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC212873).
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_139178.1
RefSeq Size:	1520 bp
RefSeq ORF:	861 bp
Locus ID:	221120
UniProt ID:	Q96Q83
Cytogenetics:	11p11.2
Domains:	2OG-Fell_Oxy
Protein Families:	Druggable Genome



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MW: 33.2 kDa

Gene Summary: The Escherichia coli AlkB protein protects against the cytotoxicity of methylating agents by repair of the specific DNA lesions generated in single-stranded DNA. ALKBH2 (MIM 610602) and ALKBH3 are E. coli AlkB homologs that catalyze the removal of 1-methyladenine and 3-methylcytosine (Duncan et al., 2002 [PubMed 12486230]).[supplied by OMIM, Mar 2008]