

## Product datasheet for **RC212873L3V**

### 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-Myc-DDK-P2A-Puro (PS100092)   |
| Tag:                      | Myc-DDK  |
| 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. <a href="#">More info</a> |
| 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:                   | <a href="#">NM_139178.1</a>  |
| RefSeq Size:              | 1520 bp  |
| RefSeq ORF:               | 861 bp   |
| Locus ID:                 | 221120   |
| UniProt ID:               | <a href="#">Q96Q83</a>   |
| 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]