

## Product datasheet for **AR09921PU-L**

### ALKBH3 / DEPC1 (1-286, His-tag) Human Protein

#### Product data:

|                                       |  |
|---------------------------------------|--|
| Product Type:                         | Recombinant Proteins   |
| Description:                          | ALKBH3 / DEPC1 (1-286, His-tag) human recombinant protein, 0.5 mg  |
| Species:                              | Human  |
| Expression Host:                      | E. coli  |
| Expression cDNA Clone or AA Sequence: | <u>MRGSHHHHHH</u> GMASMTGGQQ MGRDLYDDDD KDRWGSELDM EEKRRRARVQ GAWAAPVKSQ AIAQPATTAK SHLHQKPGQT WKNKEHHLSD REFVFKEPQQ VVRRAPEPRV IDREGVYEIS LSPTGVSVC LYPGFVDVKE ADWILEQLCQ DVPWKQRTGI REDITYQQPR LTAWYGELPY TYSRITMEPN PHWHPVLR TL KNRIEENTGH TFNSLLCNLY RNEKDSVDWH SDDEPSLGRG PIIASLSFGA TRTFEMRKKP PPEENGDYTY VERVKIPLDH GTLLIMEGAT QADWQHRVPK EYHSREPRVN LTFRTVYPDP RGAPW |
| Tag:                                  | His-tag  |
| Predicted MW:                         | 37.9 kDa   |
| Concentration:                        | lot specific   |
| Purity:                               | >95%   |
| Buffer:                               | Presentation State: Purified<br>State: Liquid purified protein<br>Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 10% glycerol, 2 mM DTT, 0.1M NaCl   |
| Preparation:                          | Liquid purified protein  |
| Protein Description:                  | Recombinant human ALKBH3 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.  |
| Storage:                              | Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C or -70°C for longer. Avoid repeated freezing and thawing.   |
| Stability:                            | Shelf life: one year from despatch.  |
| RefSeq:                               | <u>NP_631917</u>   |
| Locus ID:                             | 221120   |
| UniProt ID:                           | <u>Q96Q83</u>  |
| Cytogenetics:                         | 11p11.2  |
| Synonyms:                             | ABH3; DEPC-1; DEPC1; hABH3; PCA1   |



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**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]

**Protein Families:**

Druggable Genome

**Product images:**