

Product datasheet for **AR09921PU-N**

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

Product data:

Product Type:	Recombinant Proteins
Description:	ALKBH3 / DEPC1 (1-286, His-tag) human recombinant protein, 0.1 mg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	<u>MRGSHHHHHH GMASMTGGQQ MGRDLYDDDD KDRWGSELDM</u> EEKRRRARVQ GAWAAPVKSQ AIAQPATTAK SHLHQKPGQT WKNKEHHLSD REFVFKEPQQ VVRRAPEPRV IDREGVYEIS LSPTGVSRCV 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 State: Liquid purified protein 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: