

Recombinant Full Length Human ALKBH3 Protein, GST-tagged

Cat. No. ALKBH3-2470HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human DEPC-1 full-length ORF (AAH15155, 1 a.a. - 139 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	139 amino acids
Description	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]
Molecular Mass	41.03 kDa
AA Sequence	MEPNPHWHPVLRTLKNRIEENTGHTFNSLLCNLYRNEKDSVDWHSDDPSLGRCPII ASLSFGATRTFEMRKKPPPEENG DYTYVERV KIPLDHG TLLIMEGATQADWQHRVP KEYHSREPRVNLTFRTVYPDPRGAPW
Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array

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Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
GENE INFORMATION	
Gene Name	ALKBH3 alkB, alkylation repair homolog 3 (E. coli) [Homo sapiens]
Official Symbol	ALKBH3
Synonyms	ALKBH3; alkB, alkylation repair homolog 3 (E. coli); alpha-ketoglutarate-dependent dioxygenase alkB homolog 3; DEPC 1; prostate cancer antigen 1; prostate cancer antigen-1; alkylated DNA repair protein alkB homolog 3; ABH3; PCA1; DEPC1; DEPC-1; FLJ43614; MGC118790; MGC118792; MGC118793;
Gene ID	221120
mRNA Refseq	NM_139178
Protein Refseq	NP_631917
MIM	610603
UniProt ID	Q96Q83