

Recombinant Human ALKBH2 Protein, GST-tagged

Cat. No. ALKBH2-475H Lot. No. (See product label)

SPECIFICATION

Product Overview	Human ALKBH2 full-length ORF (NP_001001655.1, 1 a.a. - 261 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
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 and ALKBH3 (MIM 610603) 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	55.7 kDa
AA Sequence	MDRFLVKGAQGGLLRKQEEQEPTGEEPAVLGGDKESTRKRPRREAPGNGGHSAG PSWRHIRAEGLDCSYTVLFGKAEADEIFQELEKEVEYFTGALARVQVFGKWHSVPR KQATYGDAGLTYTFSGTLSPKPWIPVLERIRDHVSGVTGQTFNFVLINRYKDGCDHI GEHRDDERELAPGSPIASVSFGACRDFVFRHKDSRGKSPSRRVAVVRLPLAHGSL MMNHPTNTHWYHSLPVRKKVLAPRVNLTFRKILLTKK
Applications	Enzyme-linked Immunoabsorbent Assay; Western Blot (Recombinant protein); Antibody Production; Protein Array
Notes	Best use within three months from the date of receipt of this protein.

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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	ALKBH2 alkB, alkylation repair homolog 2 (E. coli) [Homo sapiens]
Official Symbol	ALKBH2
Synonyms	ALKBH2; alkB, alkylation repair homolog 2 (E. coli); alpha-ketoglutarate-dependent dioxygenase alkB homolog 2; ABH2; MGC90512; oxy DC1; 2OG-Fe(II) oxy DC1; alkylated DNA repair protein alkB homolog 2; FLJ99103;
Gene ID	121642
mRNA Refseq	NM_001001655
Protein Refseq	NP_001001655
MIM	610602
UniProt ID	Q6NS38

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