

Recombinant Full Length Human ALKBH1 Protein, GST-tagged

Cat. No. ALKBH1-1445HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human ALKBH full-length ORF (AAH25787.1, 1 a.a. - 389 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	389 amino acids
Description	This gene encodes a homolog to the E. coli alkB gene product. The E. coli alkB protein is part of the adaptive response mechanism of DNA alkylation damage repair. It is involved in damage reversal by oxidative demethylation of 1-methyladenine and 3-methylcytosine. [provided by RefSeq, Jul 2008]
Molecular Mass	68.42 kDa
AA Sequence	MGKMAAAVGS VATLATEPGE DAFRKLFRFY RQSRPGTADL EGVIDFSAAH AARGKGPGAQ KVIKSQLNVS SVSEQNAYRA GLQPVSKWQA YGLKGYPGFI FIPNPFLPGY QWHWVKQCLK LYSQKPNVCN LDKHMSKEET QDLWEQSKEF LRYPEATKRR PRSLLEKLRW VTVGYHYNWD SKKYSADHYT PFPSDLGFLS EQVAAACGFE DFRAEAGILN YYRLDSTLGI HVDRSELDHS KPLLSFSFGQ SAIFLLGGLQ RDEAPTAMFM HSGDIMIMSG FSRLLNHAVP RVLPNPEGEG LPHCLEAPLP AVLPRDSMVE PCSMEDWQVC ASYLKTARVN MTVRQVLATD QNFPLEPIED EKRDISTEGF CHLDDQNSEV KRARINPHS

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Applications	Enzyme-linked Immunoabsorbent Assay; Western Blot (Recombinant protein); Antibody Production; Protein Array
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	ALKBH1 alkB, alkylation repair homolog 1 (E. coli) [Homo sapiens]
Official Symbol	ALKBH1
Synonyms	ALKBH1; alkB, alkylation repair homolog 1 (E. coli); alkB, alkylation repair homolog (E. coli) , ALKBH; alkylated DNA repair protein alkB homolog 1; ABH; alkB; hABH; DNA lyase ABH1; alkylation repair, alkB homolog; alpha-ketoglutarate-dependent dioxygenase ABH1; ABH1; ALKBH
Gene ID	8846
mRNA Refseq	NM_006020
Protein Refseq	NP_006011
MIM	605345
UniProt ID	Q13686