Recombinant Human ALKBH1 Protein, GST-tagged

Cat. No. ALKBH1-474H **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	Wheat Germ
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	MGKMAAAVGSVATLATEPGEDAFRKLFRFYRQSRPGTADLEGVIDFSAAHAARGKG PGAQKVIKSQLNVSSVSEQNAYRAGLQPVSKWQAYGLKGYPGFIFIPNPFLPGYQW HWVKQCLKLYSQKPNVCNLDKHMSKEETQDLWEQSKEFLRYKEATKRRPRSLLEK LRWVTVGYHYNWDSKKYSADHYTPFPSDLGFLSEQVAAACGFEDFRAEAGILNYYR LDSTLGIHVDRSELDHSKPLLSFSFGQSAIFLLGGLQRDEAPTAMFMHSGDIMIMSGF SRLLNHAVPRVLPNPEGEGLPHCLEAPLPAVLPRDSMVEPCSMEDWQVCASYLKTA RVNMTVRQVLATDQNFPLEPIEDEKRDISTEGFCHLDDQNSEVKRARINPHS
Applications	Enzyme-linked Immunoabsorbent Assay; Western Blot (Recombinant protein); Antibody Production; Protein Array

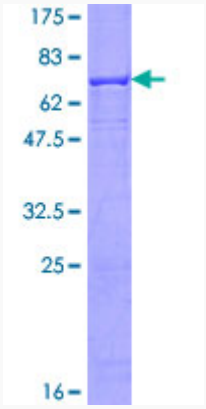
Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

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	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

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12.5% SDS-PAGE Stained with Coomassie Blue.

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