

Recombinant Full Length Human ALKBH1 Protein, C-Flag-tagged

Cat. No. ALKBH1-223HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human ALKBH1 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
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.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	43.7 kDa
AA Sequence	MGKMAAAVGSVATLATEPGEDAFRKLFRFYRQSRPGTADLEGVIDFSAAHAARGKG PGAQKVIKSQLNVS SVSEQNAYRAGLQPVSKWQAYGLKGYPGFIFIPNPFPLPGYQW HWVKQCLKLYSQKPNVCNLDKHMSKEET QDLWEQSKEFLRYKEATKRRPRSLEK LRWVTVGYHYNWDSKKYSADHYTPFPSDLGFLSEQVAAACGFE DFRAEAGILNYY RLDSTLGIHVDRSELDHSPKLLSFSFGQSAIFLLGGLQRDEAPTAMFMHSGDIMIMS G FSRLLNHAVPRVLPNPEGEGLPHCLEAPLPAVLPRDSMVEPCSMEDWQVCASYL KTARVNMTVRQVLATD QNFPLEPIEDEKRDISTEGFCHLDDQNSEVKKRARINPHSTRTRPLEQKLISEEDLAAN

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	DILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Full Length	Full L.

GENE INFORMATION

Gene Name	ALKBH1 alkB homolog 1, histone H2A dioxygenase [Homo sapiens (human)]
Official Symbol	ALKBH1
Synonyms	ABH; ABH1; alkB; hABH; ALKBH
Gene ID	8846
mRNA Refseq	NM_006020.3
Protein Refseq	NP_006011.2
MIM	605345

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UniProt ID

Q13686



Coomassie blue staining of purified ALKBH1 protein.

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