

Recombinant Human ALKBH1 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. ALKBH1-1198H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	ALKBH1 MS Standard C13 and N15-labeled recombinant protein (NP_006011) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
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.
Molecular Mass	43.9 kDa
AA Sequence	MGKMAAAVGSVATLATEPGEDAFRKLFRFYRQSRPGTADLEGVIDFSAAHAARGKG PGAQKVIKSQLNVSSVSEQNAYRAGLQPVSKWQAYGLKGYPGFIFIPNPFLPGYQW HWVKQCLKLYSQKPNVCNLDKHMSKEETQDLWEQSKEFLRYKEATKRRPRSLEK LRWVTVGYHYNWDSKKYSADHYTPFPSDLGFLSEQVAAACGFEDFRAEAGILNYYR LDSTLGIHVDRSELDHSPKLLSFSFGQSAIFLLGGLQRDEAPTAMFMHSGDIMIMSGF SRLLNHAVPRVLPNPEGEGLPHCLEAPLPAVLPRDSMVEPCSMEDWQVCASYLKTA RVNMTVRQVLATDQNFPLEPIEDEKRDISTEGFCHLDDQNSEVKRARINPHSTRTRP LEQKLISEEDLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining

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Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 µg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name	ALKBH1 alkB homolog 1, histone H2A dioxygenase [Homo sapiens (human)]
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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SDS-PAGE

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