

Recombinant Human ALKBH2 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. ALKBH2-2670H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	ALKBH2 MS Standard C13 and N15-labeled recombinant protein (NP_001138847) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
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 are E. coli AlkB homologs that catalyze the removal of 1-methyladenine and 3-methylcytosine.
Molecular Mass	29.3 kDa
AA Sequence	MDRFLVKGAQGGLLRKQEEQEPTGEEPAVLGGDKESTRKRPRREAPGNGGHSAG PSWRHIRAEGLDCSYTVLFGKAEADEIFQELEKEVEYFTGALARVQVFGKWHSVPR KQATYGDAGLTYTFSGTLSPKPWIPVLERIRDHVSGVTGQTFNFVLINRYKDGCDHI GEHRDDERELAPGSPIASVSFGACRDFVFRHKDSRGKSPSRRVAVVRLPLAHGSL MMNHPTNTHWYHSLPVRKKVLAPRVNLTFRKILLTKKTRTRPLEQKLISEEDLAANDI LDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling

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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 ALKBH2 alkB homolog 2, alpha-ketoglutarate dependent dioxygenase [Homo sapiens (human)]

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_001145375

Protein Refseq NP_001138847

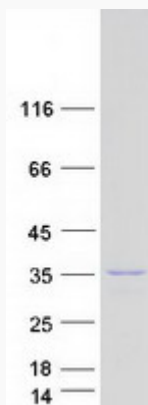
MIM 610602

UniProt ID Q6NS38

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SDS-PAGE

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