

Recombinant Human ALKBH3 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. ALKBH3-5816H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	ALKBH3 MS Standard C13 and N15-labeled recombinant protein (NP_631917) 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	33.2 kDa
AA Sequence	MEEKRRRRARVQGAWAAPVKSQAIAQPATTAKSHLHQKPGQTWKNKEHHLSDREFV FKEPQQVVRRAPEPRVIDREGVYEISLSPTGVSRLVCLYPGFVDVKEADWILEQLCQD VPWKQRTGIKEDITYQQPRLTAWYGELPYTYSRITMEPNPHWHPVLRTLKNRIEENT GHTFNSLLCNLYRNEKDSVDWHSDDPSLGRCPPIIASLSFGATRTFEMRKPPPEEN GEYTYVERVKIPLDHGTLIMEGATQADWQHRVPKEYHSREPRVNLTFRTPVDPDR TRPLEQKLISEEDLAANDILDYKDDDDKV
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 ALKBH3 alkB homolog 3, alpha-ketoglutarate dependent dioxygenase [Homo sapiens (human)]

Official Symbol ALKBH3

Synonyms ALKBH3; alkB, alkylation repair homolog 3 (E. coli); alpha-ketoglutarate-dependent dioxygenase alkB homolog 3; DEPC 1; prostate cancer antigen 1; prostate cancer antigen-1; alkylated DNA repair protein alkB homolog 3; ABH3; PCA1; DEPC1; DEPC-1; FLJ43614; MGC118790; MGC118792; MGC118793;

Gene ID 221120

mRNA Refseq NM_139178

Protein Refseq NP_631917

MIM 610603

UniProt ID Q96Q83

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