

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

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

## SPECIFICATION

<b>Product Overview</b>	ALKBH3 MS Standard C13 and N15-labeled recombinant protein (NP_631917) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
<b>Species</b>	Human
<b>Source</b>	HEK293
<b>Description</b>	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.
<b>Molecular Mass</b>	33.2 kDa
<b>AA Sequence</b>	MEEKRRRARVQGAWAAPVKSQAIAQPATTAKSHLHQKPGQTWKNKEHHLSDREFV FKEPQQVVRRAPEPRVIDREGVYEISLSPTGVS RVCLYPGFVDVKEADWILEQLCQD VPWKQRTGIKEDITYQQPRLTAWYGELPYTYSRITMEPNPHWHPVLRTLKNRIEENT GHTFNSLLCNLYRNEKDSVDWHSDDPSLGRCPPIASLSFGATRTRTFEMRKKPPPEEN GEYTYVERVKIPLDHGTLIMEGATQADWQHRVPKEYHSREPRVNLTFRTVYPDTR TRPLEQKLISEEDLAANDILDYKDDDDKV
<b>Purity</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining
<b>Stability</b>	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

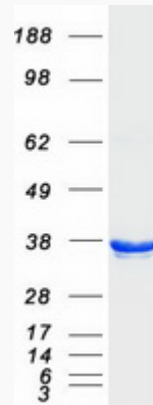
**UniProt ID** Q96Q83

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SDS-PAGE



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