

Recombinant Mouse Alkbh2 Protein, Myc/DDK-tagged

Cat. No. Alkbh2-1600M Lot. No. (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length alkB homolog 2, alpha-ketoglutarate-dependent dioxygenase (Alkbh2), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Dioxygenase that repairs alkylated DNA and RNA containing 1-methyladenine and 3-methylcytosine by oxidative demethylation. Can also repair alkylated DNA containing 1-ethenoadenine. Has strong preference for double-stranded DNA. Has low efficiency with single-stranded substrates. Requires molecular oxygen, alpha-ketoglutarate and iron.
Molecular Mass	27.1 kDa
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 after receiving vials.
Concentration	>50 µg/mL as determined by microplate BCA method

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Storage Buffer 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

GENE INFORMATION

Gene Name	Alkbh2 alkB homolog 2, alpha-ketoglutarate-dependent dioxygenase [Mus musculus (house mouse)]
Official Symbol	Alkbh2
Synonyms	ALKBH2; alkB, alkylation repair homolog 2 (E. coli); alpha-ketoglutarate-dependent dioxygenase alkB homolog 2; alkylated DNA repair protein alkB homolog 2; Abh2; mABH2; AU016977; 9530023G02
Gene ID	231642
mRNA Refseq	NM_175016
Protein Refseq	NP_778181
UniProt ID	Q6P6J4

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