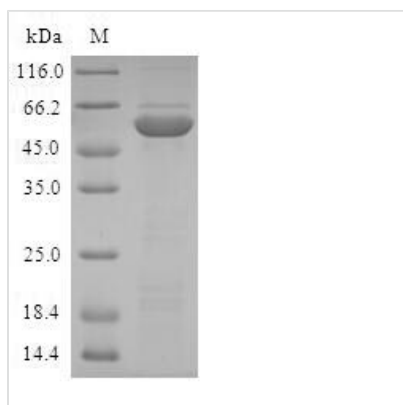




Recombinant Human DNA oxidative demethylase ALKBH2 (ALKBH2)

Product Code	CSB-EP761219HU
Relevance	Dioxygenase that repairs alkylated DNA and RNA containing 1-methyladenine and 3-methylcytosine by oxidative demethylation. Can also repair alkylated DNA containing 1-ethenoadenine (in vitro). Has strong preference for double-stranded DNA. Has low efficiency with single-stranded substrates. Requires molecular oxygen, alpha-ketoglutarate and iron.
Abbreviation	Recombinant Human ALKBH2 protein
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
Uniprot No.	Q6NS38
Product Type	Recombinant Proteins
Immunogen Species	Homo sapiens (Human)
Purity	Greater than 90% as determined by SDS-PAGE.
Sequence	MDRFLVKGAQGGLLRKQEEQEPTGEEPAVLGGDKESTRKRPRREAPGNNGGH SAGPSWRHIRAEGLDCSYTVLFGKAEADEIFQELEKEVEYFTGALARVQVFGK WHSVPRKQATYGDAGLTYTFSGLTLSPKPWIPVLERIRDHVSGVTGQTFNFVLI NRYKDGCDHIGEHRRDERELAPGSPIASVSFGACRDFVFRHKDSRGKSPSRR VAVVRLPLAHGSLMMNHPTNTHWYHSLPVRKKVLAPRVNLTFRKILLTKK
Research Area	Epigenetics and Nuclear Signaling
Source	E.coli
Target Names	ALKBH2
Protein Names	Recommended name: Alpha-ketoglutarate-dependent dioxygenase alkB homolog 2 EC= 1.14.11.-Alternative name(s): Alkylated DNA repair protein alkB homolog 2 Oxy DC1
Expression Region	1-261aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal GST-tagged
Mol. Weight	56.3kDa
Protein Length	Full Length
Image	



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

Shelf Life

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