

# Recombinant Human ALKBH1

Catalog No: #GP10912



Package Size: #GP10912-1 100ug

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## Description

Product Name	Recombinant Human ALKBH1
Brief Description	Recombinant Protein
Immunogen Description	Fusion protein corresponding to N terminal 250 amino acids of human alkB, alkylation repair homolog 1 (E. coli)
Target Name	AlkB, alkylation repair homolog 1 (E. coli)
Other Names	ABH; ABH1; alkB; hABH; ALKBH
Accession No.	Swissprot:Q13686Gene Accession:BC025787
Uniprot	Q13686
GenID	8846;
Storage	-20~-80°C, pH 7.6 PBS

## Background

This gene encodes a homolog to the E. coli alkB gene product. The E. coli alkB protein is part of the adaptive response mechanism of DNA alkylation damage repair. It is involved in damage reversal by oxidative demethylation of 1-methyladenine and 3-methylcytosine. Dioxygenase that repairs alkylated single-stranded DNA and RNA containing 3-methylcytosine by oxidative demethylation. Requires molecular oxygen, alpha-ketoglutarate and iron. May have a role in placental trophoblast lineage differentiation. Has DNA lyase activity and introduces double-stranded breaks at abasic sites. Cleaves both single-stranded DNA and double-stranded DNA at abasic sites, with the greatest activity towards double-stranded DNA with two abasic sites.

## References

Note: For in vitro research use only, not for diagnostic or therapeutic use. This product is not a medical device.

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