

Recombinant Human ALKBH2

Catalog No: #GP10913



Package Size: #GP10913-1 100ug

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Description

Product Name	Recombinant Human ALKBH2
Brief Description	Recombinant Protein
Immunogen Description	Full length fusion protein
Target Name	AlkB, alkylation repair homolog 2 (E. coli)
Other Names	ABH2
Accession No.	Swissprot:Q6NS38Gene Accession:BC070489
Uniprot	Q6NS38
GeneID	121642;
Storage	-20~-80°C, pH 7.6 PBS

Background

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. 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.

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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