Recombinant Human ALKBH2 Protein Product Manual

1. Product Basic Information

Product No.: REP06117

Protein Name: Oxy Dc1 (ALKBH2)

Aliases: oxy DC1; 2OG-Fe(II) oxy DC1; DNA oxidative demethylase ALKBH2

UniProt ID: Q6NS38

UniProt Link: https://www.uniprot.org/uniprotkb/Q6NS38/entry

Species Source: Homo sapiens (Human)

Expression System: E.coli

Protein Length: Full Length (1-261aa)

Molecular Weight: 56.3kDa

Protein Tag: N-terminal GST-tagged

2. Amino Acid Sequence (1-261aa)

MDRFLVKGAQGGLLRKQEEQEPTGEEPAVLGGDKESTRKRPRREAPGNGGHSAG
PSWRHIRAEGLDCSYTVLFGKAEADEIFQELEKEVEYFTGALARVQVFGKWHSVPR
KQATYGDAGLTYTFSGLTLSPKPWIPVLERIRDHVSGVTGQTFNFVLINRYKDGCDH
IGEHRDDERELAPGSPIASVSFGACRDFVFRHKDSRGKSPSRRVAVVRLPLAHGSL
LMMNHPTNTHWYHSLPVRKKVLAPRVNLTFRKILLTKK

3. Storage Buffer

Liquid Delivery Form: Tris/PBS-based buffer with 5%-50% glycerol. Custom glycerol content is available upon customer request (please specify requirements when placing orders).

Lyophilized Powder Delivery Form: Pre-lyophilization buffer is Tris/PBS-based buffer containing 6% Trehalose.

4. Storage Conditions

Upon receipt, store the product at -20°C or -80°C. It is recommended to aliquot the protein for multiple uses to avoid repeated freeze-thaw cycles, which may cause

protein denaturation and activity loss.

5. Product Description

This product is a recombinant Human ALKBH2 full length protein (1-261aa) expressed in E.coli. The protein is with GST tag at the N-terminus, which facilitates protein purification, detection and identification. ALKBH2, also known as oxy DC1 or 2OG-Fe(II) oxy DC1 or DNA oxidative demethylase ALKBH2, is suitable for related in vitro functional assays, protein interaction studies, antibody preparation and other biomedical research applications.

6. Notes

- Repeated freezing and thawing of the product is strictly prohibited to ensure protein stability and biological activity.
- For special buffer component requirements, please submit a note when purchasing.
- This product is only for scientific research use, not for clinical diagnosis, treatment or commercial production purposes.