



Recombinant Human MBD2 Protein Product Manual

1. Product Basic Information

Product No.: REP07420

Protein Name: MBD2

Aliases: DMTase; NY-CO-41; demethylase

UniProt ID: Q9UBB5

UniProt Link: <https://www.uniprot.org/uniprotkb/Q9UBB5/entry>

Species Source: Homo sapiens (Human)

Expression System: E.coli

Protein Length: Full Length (1-411aa)

Molecular Weight: 50.7 kDa

Protein Tag: N-terminal 10xHis-tagged and C-terminal Myc-tagged

2. Amino Acid Sequence (1-411aa)

MRAHPGGGRCCPEQEEGESAAAGGSGAGGDSAIEQQGQGSALAPSPVSGVRREG
ARGGGRGRGRWKQAGRGGGVCGRGRGRGRGRGRGRGRGRPPSGGSG
LGGDGGGCGGGGSGGGGAPRREPVPFPGSGAGPGPRGPRATESGKRMDCPALP
PGWKKEEVIRKSGLSAGKSDVYYFSPSGKKFRSKPQLARYLGNTVDLSSFDFTGK
MMPSKLQKNKQRLRNDPLNQNKGKPDNLNTTLPIRQTASIFKQPVTKVTNHPSNKKV
SDPQRMNEQPRQLFWEKRLQGLSASDVTEQIIKTMELPKGLQGVGPGSNDETLLS
AVASALHTSSAPITGQVSAAVEKNPAVWLNTSQPLCKAFIVTDEDIRKQEERVQQVR
KKLEEALMADILSRAADTEEMDIEMDSGDEA

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 MBD2 full length protein (1-411aa) expressed in E.coli. The protein is dual-tagged with 10xHis tag at the N-terminus and Myc tag at the C-terminus, which facilitates protein purification, detection and identification. MBD2, also known as DMTase or NY-CO-41 or demethylase, 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.