

Recombinant Human MCL1 Protein

For Research Use Only

1. Basic Product Information

Catalog No.: REP50664

Size: 10ug, 100ug

Protein Name: Induced myeloid leukemia cell differentiation protein Mcl-1 (Bcl-2-like protein 3) (Bcl2-L-3) (Bcl-2-related protein EAT/mcl1) (mcl1/EAT)

Synonym: MCL1, BCL2L3

UniProt ID: Q07820

UniProt Link: www.uniprot.org/uniprotkb/Q07820/entry

Species Source: Human

Expression System: HEK293T eukaryotic cell expression system Sequence

Length: 350 AA

Molecular Weight: 37 KD

Protein Tag: C-terminal His6

2. Amino Acid Sequence

MFGLKRNAVIGLNLYCGGAGLGAGSGGATRPGGRLATEKEASARREIGGGGEAGAVIGGSAGASPP
STLTPDSRRVARPPPIGAIEVPDVTATPARLLFFAPTRRAAPLEEMEAPAADAIMSPEEELDGYEPEPL
GKRPAVLPLLELVGESGNTSTDGSLPSTPPPAEEEEDELYRQSLEIISRYLREQATGAKDTKPMGR
SGATSRKALETLRVGDGVQRNHETAFQGMLRKLDIKNEDDVKSLSRVMIHVFSDGVTNWGRIVTLI
SFGAFVAKHLKTINQESCIEPLAESITDVLVVRTKRDWLVKQRGWDGFVEFFHVEDLEGGIRNVLLAFA
GVAGVGAGLAYLIR

3. Buffer Composition

Liquid format: PBS-based buffer containing 50% glycerol. Glycerol concentration can be customized upon customer request; please state special requirements when placing your order.

Lyophilized format: Buffer before lyophilization is PBS supplemented with 6% trehalose.

4. Storage Conditions

Upon receipt, store the product at -20 °C or -80 °C. Aliquot the product for on-demand use to preserve protein activity and prevent denaturation and inactivation caused by repeated freeze-thaw cycles.

5. Product Description

This product is recombinant Induced myeloid leukemia cell differentiation protein Mcl-1 (Bcl-2-like protein 3) (Bcl2-L-3) (Bcl-2-related protein EAT/mcl1) (mcl1/EAT) produced using the HEK293T eukaryotic cell expression system. It is suitable for in-vitro functional assays, protein-protein interaction studies, antibody preparation and other biomedical research applications.

Protein Function: Involved in the regulation of apoptosis versus cell survival, and in the maintenance of viability but not of proliferation. Mediates its effects by interactions with a number of other regulators of apoptosis. Isoform 1 inhibits apoptosis. Isoform 2 promotes apoptosis.

Subcellular Localization: Membrane ; Single-pass membrane protein . Cytoplasm. Mitochondrion. Nucleus, nucleoplasm. Note=Cytoplasmic, associated with mitochondria.

6. Notes

- Avoid repeated freeze-thaw cycles to maintain protein stability and biological activity.
- Please specify special buffer-composition requirements at the time of order placement.
- For research use only. Not intended for clinical diagnosis, therapeutic use or commercial manufacturing.