

Recombinant Human MOG Protein

For Research Use Only

1. Basic Product Information

Catalog No.: REP50678

Size: 10ug, 100ug

Protein Name: Myelin-oligodendrocyte glycoprotein

Synonym: MOG

UniProt ID: Q16653

UniProt Link: www.uniprot.org/uniprotkb/Q16653/entry

Species Source: Human

Expression System: HEK293T eukaryotic cell expression system Sequence

Length: 247 AA

Molecular Weight: 28 KD

Protein Tag: C-terminal His6

2. Amino Acid Sequence

MASLSRPSLPSCLCFSLLLLLQVSSSYAGQFRVIGPRHPIRALVGDEVELPCRISPGKNATGMEVG
WYRPPFSRVVHLYRNGKDQDGDQAPEYRGRTTELLKDAIGEGKVTLRIRNVRFSDGGFTCFRDHS
YQEEAAMELKVEDPFYWVSPGVLVLLAVLPVLLLQITVGLIFLCLQYRLRGKLRAEIENLHRTFDPHFL
RVPCWKITLFVIVPVLGPLVALIICYNWLHRRLAGQFLEELRNPF

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 Myelin-oligodendrocyte glycoprotein 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: Mediates homophilic cell-cell adhesion (By similarity). Minor component of the myelin sheath. May be involved in completion and/or maintenance of the myelin sheath and in cell-cell communication.; (Microbial infection) Acts as a receptor for rubella virus.

Subcellular Localization: [Isoform 1]: Cell membrane ; Multi-pass membrane protein .; [Isoform 5]: Cell membrane ; Multi-pass membrane protein .; [Isoform 2]: Cell membrane ; Single-pass type I membrane protein .; [Isoform 3]: Cell membrane ; Single-pass type I membrane protein .; [Isoform 4]: Cell membrane ; Single-pass type I membrane protein .; [Isoform 6]: Cell membrane ; Single-pass type I membrane protein .; [Isoform 7]: Cell membrane ; Single-pass type I membrane protein .; [Isoform 8]: Cell membrane ; Single-pass type I membrane protein .; [Isoform 9]: Cell membrane ; Single-pass type I membrane protein .

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.