



Recombinant Human OPRM1 Protein Product Manual

1. Product Basic Information

Product No.: REP07695

Protein Name: M-Or-Mu Opiate Receptor (OPRM1)

Aliases: MOP; MOR; LMOR; MOR1; OPRM; M-OR-mu opiate receptor; opioid receptor mu mu-type opioid receptor; mu opioid receptor hMOR-1a

UniProt ID: P35372

UniProt Link: <https://www.uniprot.org/uniprotkb/P35372/entry>

Species Source: Homo sapiens (Human)

Expression System: in vitro E.coli expression system

Protein Length: Full Length (1-400aa)

Molecular Weight: 47.6 kDa

Protein Tag: N-terminal 10xHis-tagged

2. Amino Acid Sequence (1-400aa)

MDSSAAPTNASNCTDALAYSSCSPAPSPGSWVNLSHLDGNLSDPCGPNRTDLGG
RDSLCPPTGSPSMITAITIMALYSIVCVVGLFGNFLVMYVIVRYTKMKTATNIYIFNLAL
ADALATSTLPFQSVNYLMGTWPFGLTILCKIVISIDYYNMFTSIFTLCTMSVDRIYAVCH
PVKALDFRTPRNAKIINVCNWILSSAIGLPVMFMATTKYRQGSIDCTLTFSHPTWYW
ENLLKICVFIFAFIMPVLIITVCYGLMILRLKSVRMLSGSKEKDRNLRRITRMVLVVAV
FIVCWTPIHIVYIIKALVTIPETTFQTVSWHFCIALGYTNSCLNPVLYAFLDENFKRCFR
EFCIPTSSNIEQQNSTRIRQNTRDHPSTANTVDRTNHQLENLEAETAPLP

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 OPRM1 full length protein (1-400aa) expressed in in vitro E.coli expression system. The protein is with 10xHis tag at the N-terminus, which facilitates protein purification, detection and identification. OPRM1, also known as MOP or MOR or LMOR, 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.