



Recombinant Human CHRM3 Protein Product Manual

1. Product Basic Information

Product No.: REP06461

Protein Name: M3 Muscarinic Receptor (CHRM3)

Aliases: HM3; PBS; EGBRS; m3AChR; m3 muscarinic receptor

UniProt ID: P20309

UniProt Link: <https://www.uniprot.org/uniprotkb/P20309/entry>

Species Source: Homo sapiens (Human)

Expression System: E.coli

Protein Length: Partial (253-492aa)

Molecular Weight: 40.7kDa

Protein Tag: N-terminal 6xHis-B2M-tagged

2. Amino Acid Sequence (253-492aa)

RIYKETEKRTKELAGLQASGTEAETENFVHPTGSSSRSCSSYELQQQSMKRSNRRK
YGRCHFWFTTKSWKPSSEQMDQDHSSSDSWNNNDAAASLENSASSDEEDIGSET
RAIYSIVLKLPGHSTILNSTKLPSDDLQVPEEELGMVDLERKADKLQAQKSVDDGG
SFPKSFSLPIQLESADVDTAKTSDVNSSVGKSTATLPLSFKEATLAKRFALKTRSQIT
KRKRMSLVKEKAAQT

3. Storage Buffer

Liquid Delivery Form: Tris-based buffer with 50% glycerol.

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 CHRM3 partial protein (253-492aa) expressed in E.coli. The protein is with 6xHis-B2M tag at the N-terminus, which facilitates protein purification, detection and identification. CHRM3, also known as HM3 or PBS or EGBRS, 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.