



Recombinant Human CHRM5 Protein Product Manual

1. Product Basic Information

Product No.: REP06462

Protein Name: Cholinergic Receptor Muscarinic Acetylcholine Receptor, Muscarinic Muscarinic Acetylcholine Receptor M5 (CHRM5)

Aliases: cholinergic receptor muscarinic acetylcholine receptor, muscarinic muscarinic acetylcholine receptor M5

UniProt ID: P08912

UniProt Link: <https://www.uniprot.org/uniprotkb/P08912/entry>

Species Source: Homo sapiens (Human)

Expression System: E.coli

Protein Length: Partial (215-443aa)

Molecular Weight: 31.5 kDa

Protein Tag: N-terminal 6xHis-tagged

2. Amino Acid Sequence (215-443aa)

RIYRETEKRTKDLADLQGSDSVTKAEKRKPAHRALFRSCLRCPRPTLAQRERNQAS
WSSSRRTSTTGKPSQATGPSANWAKAEQLTTCSSYPSEDEDKPATDPVLQVVY
KSQKGESPGEEFSAEETEETFVKAETEKSDYDTPNYLLSPAAAHRPKSQKCVAYKF
RLVVKADGNQETNNGCHKVKIMPCFPVAKPESTKGLNPNSHQMTKRKRVLVK
ERKAAQT

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 CHRM5 partial protein (215-443aa) expressed in E.coli. The protein is with 6xHis tag at the N-terminus, which facilitates protein purification, detection and identification. CHRM5, also known as cholinergic receptor muscarinic acetylcholine receptor, muscarinic muscarinic acetylcholine receptor M5, 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.