



Recombinant Human CHRNA1 Protein Product Manual

1. Product Basic Information

Product No.: REP06463

Protein Name: Acetylcholine Receptor Subunit Alpha (CHRNA1)

Aliases: ACHRA; ACHRD; CHRNA; CMS1A; CMS1B; CMS2A; FCCMS; SCCMS; acetylcholine receptor subunit alpha; cholinergic receptor nicotinic alpha 1 subunit; nicotinic acetylcholine receptor alpha subunit; cholinergi...

UniProt ID: P02708

UniProt Link: <https://www.uniprot.org/uniprotkb/P02708/entry>

Species Source: Homo sapiens (Human)

Expression System: E.coli

Protein Length: Partial of Isoform 2 (21-255aa)

Molecular Weight: 31.1kDa

Protein Tag: N-terminal 6xHis-tagged

2. Amino Acid Sequence (21-255aa)

SEHETRLVAKLFKDYSSVVRPVEDHRQVVEVTVGLQLIQLINVDEVNQIVTTNVRLK
QGDMVDLPRPSCVTLGVPFLSHLQNEQWVDYNLKWNPDDYGGVKKIHIPSEKIWR
PDLVLYNNADGDFAIVKFTKVLLQYTGHTWTPPAIFKSYCEIIVTHFPFDEQNCSMK
LGTWTYDGSVVAINPESDQPDLSNFMESGEWVIKESRGWKHSVTYSCCPDTPYLDI
TYHFVMQRL

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



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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 CHRNA1 partial of isoform 2 protein (21-255aa) expressed in E.coli. The protein is with 6xHis tag at the N-terminus, which facilitates protein purification, detection and identification. CHRNA1, also known as ACHRA or ACHRD or CHRNA, 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.