



Recombinant Human CHRNA7 Protein Product Manual

1. Product Basic Information

Product No.: REP06465

Protein Name: Chrna7-A7 Nicotinic Acetylcholine Receptor (CHRNA7)

Aliases: nAChR7; NACHRA7; a7nAChR; CHRNA7-a7 nicotinic acetylcholine receptor; cholinergic receptor nicotinic alpha 7 subunit

UniProt ID: P36544

UniProt Link: <https://www.uniprot.org/uniprotkb/P36544/entry>

Species Source: Homo sapiens (Human)

Expression System: E.coli

Protein Length: Partial (23-230aa)

Molecular Weight: 27.4 kDa

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

2. Amino Acid Sequence (23-230aa)

GEFQRKLYKELVKNYNPLERPVANDSQPLTVYFSLSLQIMDVDEKNQVLTTNIWLQ
MSWTDHYLQWNVSEYPGVKTVRFPDGGQIWKPDILLYNSADERFDATFHTNVLVNS
SGHCQYLPPGIFKSSCYIDVRWFPPFDVQHCKLKFGSWSYGGWSLDLQMQEADISG
YIPNGEWDLVGIPGKRSERFYECCKEYPDPVTFTVTMRRRT

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

5. Product Description

This product is a recombinant Human CHRNA7 partial protein (23-230aa) expressed in E.coli. The protein is with 6xHis-Avi tag at the N-terminus, which facilitates protein purification, detection and identification. CHRNA7, also known as nAChR7 or NACHRA7 or $\alpha 7$ nAChR, 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.