

Recombinant Human HTR3A Protein Product Manual

1. Product Basic Information

Product No.: REP07171

Protein Name: Serotonin Receptor 3A (HTR3A)

Aliases: HTR3; 5HT3R; 5-HT-5-HT3A; 5-HT3R; serotonin receptor 3A; 5HT3 serotonin receptor; serotonin-gated ion channel receptor

UniProt ID: P46098

UniProt Link: <https://www.uniprot.org/uniprotkb/P46098/entry>

Species Source: Homo sapiens (Human)

Expression System: Mammalian cell

Protein Length: Full Length of Mature Protein (24-478aa)

Molecular Weight: 59.8 kDa

Protein Tag: N-terminal 10xHis-Avi-tagged and C-terminal Twin-Strep-tagged

2. Amino Acid Sequence (24-478aa)

RRSRNTTRPALLRLSDYLLTNYRKGVRPVRDWRKPTTVSIDVIVYAILNVDEKNQVL
TTYIWYRQYWTDEFLQWNPEDFDNITKLSIPTDSIWVPDILINEFVDVGKSPNIPYVYI
RHQGEVQNYKPLQVVTACSLDIYNFPFDVQNCSLTFTSWLHTIQDINISLWRLPEKV
KSDRSVFMNQGEWELLGVLPYFREFSMESSNYAEMKFYVIRRRPLFYVVSLLLP
SIFLMVMDIVGFYLPNSGERVSFKITLLLGYSVFLIIVSDTLPATAIGTPLIGVYFVVC
MALLVISLAETIFIVRLVHKQDLQQPVPAPWLRHLVLERIAWLLCLREQSTSQRPPATS
QATKTDDCSAMGNHCSHMGGPQDFEKSPPRDRCSPPPPPREASLAVCGLLQELSSI
RQFLEKRDEIREVARDWLRVGSVLDKLLFHIYLLAVLAYSITLVMLWSIWQYA

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 HTR3A full length of mature protein protein (24-478aa) expressed in Mammalian cell. The protein is dual-tagged with 10xHis-Avi tag at the N-terminus and Twin-Strep tag at the C-terminus, which facilitates protein purification, detection and identification. HTR3A, also known as HTR3 or 5HT3R or 5-HT-5-HT3A, 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.