

Recombinant Human P2RX7 Protein Product Manual

1. Product Basic Information

Product No.: REP07714

Protein Name: Atp Receptor (P2RX7)

Aliases: ATP receptor; P2Z receptor; P2X7 receptor

UniProt ID: Q99572

UniProt Link: <https://www.uniprot.org/uniprotkb/Q99572/entry>

Species Source: Homo sapiens (Human)

Expression System: E.coli

Protein Length: Partial (47-334aa)

Molecular Weight: 43.1 kDa

Protein Tag: N-terminal 6xHis-tagged and C-terminal 6xHis-tagged

2. Amino Acid Sequence (47-334aa)

SDKLYQRKEPVISSVHTKVKGIAEVKEEIVENGVKKLVHSVFDTADYTFPLQGNSFF
VMTNFLKTEGQEQRLCPEYPTRRRLCSSDRGCKKGWMDPQSKGIQTGRCVVHEG
NQKTCEVSAWCPIEAVEEAPRPALLNSAENFTVLIKNNIDFPGHNYTTRNILPGLNIT
CTFHKTQNPQCPIFRLGDIFRETGDNFSDVAIQGGIMGIEIYWDCNLDLDRWFHHCHPK
YSFRRLLDDKTTNVSLYPGYNFRYAKYYKENNVEKRTLKIKVFGIRFDILVFGTGGKFDII
QLV

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



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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 P2RX7 partial protein (47-334aa) expressed in E.coli. The protein is dual-tagged with 6xHis tag at the N-terminus and 6xHis tag at the C-terminus, which facilitates protein purification, detection and identification. P2RX7, also known as ATP receptor or P2Z receptor or P2X7 receptor, 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.