



Recombinant Human AQP1 Protein Product Manual

1. Product Basic Information

Product No.: REP06161

Protein Name: Urine Water Channel (AQP1)

Aliases: CO; CHIP28; AQP-CHIP; aquaporin-aquaporin-CHIP; urine water channel; bloodgroup CO protein; Colton blood group antigen; aquaporin 1 (Colton blood group); aquaporin 1, Colton blood group antigen; chann...

UniProt ID: P29972

UniProt Link: <https://www.uniprot.org/uniprotkb/P29972/entry>

Species Source: Homo sapiens (Human)

Expression System: E.coli

Protein Length: Partial (220-269aa)

Molecular Weight: 32.6kDa

Protein Tag: N-terminal GST-tagged

2. Amino Acid Sequence (220-269aa)

GALAVLIYDFILAPRSSDLTDRVKVWTSGQVEEYDL DADDINSRVEMKPK

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 AQP1 partial protein (220-269aa) expressed in E.coli. The protein is with GST tag at the N-terminus, which facilitates protein purification, detection and identification. AQP1, also known as CO or CHIP28 or AQP-CHIP, 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.