

Recombinant Human PRPS1 Protein Product Manual

1. Product Basic Information

Product No.: REP07912

Protein Name: Deafness 2, Perceptive, Congenital (PRPS1)

Aliases: ARTS; DFN2; PRSI; CMTX5; DFNX1; PRS-PPRibP; deafness 2, perceptive, congenital

UniProt ID: P60891

UniProt Link: <https://www.uniprot.org/uniprotkb/P60891/entry>

Species Source: Homo sapiens (Human)

Expression System: E.coli

Protein Length: Full Length of Mature Protein (2-318aa)

Molecular Weight: 50.7kDa

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

2. Amino Acid Sequence (2-318aa)

PNIKIFSGSSHQDLSQKIADRLGLELGKVVTKKFSNQETCVEIGESVRGEDVYIVQSG
CGEINDNLMELLIMINACKIASASRVTAVIPCFPYARQDKKDKSRAPISAKLVANMLS
VAGADHIITMDLHASQIQGFFDIPVDNLYAEPVWLKWIENISEWRNCTIVSPDAGGA
KRVTSIADRLNVDLHFKERKKANEVDRMVLVGDVKDRVAILVDDMADTCGTICHA
ADKLLSAGATRVYAILTHGIFSGPAISRINNACFEAVVVTNTIPQEDKMKHCSTIQVIDI
SMILAEAIRRTHNGESVSYLFSHVPL

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 PRPS1 full length of mature protein protein (2-318aa) expressed in E.coli. The protein is with 6xHis-SUMO tag at the N-terminus, which facilitates protein purification, detection and identification. PRPS1, also known as ARTS or DFN2 or PRSI, 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.