



Recombinant Human PTPRN2 Protein Product Manual

1. Product Basic Information

Product No.: REP07959

Protein Name: Tyrosine Phosphatase Ia-2 Beta (PTPRN2)

Aliases: IAR; ICAAR; PTPRP; phogrin; IA-2beta; R-PTP-N2; tyrosine phosphatase IA-2 beta; islet cell autoantigen-related protein; protein tyrosine phosphatase receptor pi; protein tyrosine phosphatase receptor ...

UniProt ID: Q92932

UniProt Link: <https://www.uniprot.org/uniprotkb/Q92932/entry>

Species Source: Homo sapiens (Human)

Expression System: Yeast

Protein Length: Extracellular Domain (22-615aa)

Molecular Weight: 66.1kDa

Protein Tag: N-terminal 6xHis-tagged

2. Amino Acid Sequence (22-615aa)

AAPSSVPRGRQLPGR LGCLLEEGLCGASEACVNDGVFGRCQKVPAMDFYRYEVS
PVALQRLRVALQKLSGTGFTWQDDYTQYVMDQELADLPKTYLRRPEASSPARPSK
HSVGSERRYSREGGAALANALRRHLPFLEALSQAPASDVLARTHTAQDRPPAEGD
DRFSESILTYVAHTSALTYPPGSRTQLREDLLPRTLGLQLQPDELSPKVDSGVDRHHL
MAALSAYAAQRPPAPPGECSLEPQYLLRAPSRMPRPLLAPAAPQKWPSPLGDS
PSSTGDGARIHTLLKDLQRQPAEVRGLSGLLELDGMAELMAGLMQGV DHGVARGSP
GRAALGESGEQADGPKATLRGDSFPDDGVQDDDDRLYQEVHRLSATLGLLQDH
GSRLLPGALPFARPLDMERKKSEHPESLSSEEETAGVENVKSTYSKDLLGQQP
HSEPGAAAFGELQNMGPSPKEEQSLPAGAEALSDGLQLEVQPSEEEARGYIVT
DRDPLRPEEGRRLLVEDVARLLQVPSSAFADVEVLGPAVTFKVSANVQNVTTEDVEK
ATVDNKDKLEETSGLKILQTGVGSKSKLFLPPQAEQEDSTKF

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)



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 PTPRN2 extracellular domain protein (22-615aa) expressed in Yeast. The protein is with 6xHis tag at the N-terminus, which facilitates protein purification, detection and identification. PTPRN2, also known as IAR or ICAAR or PTPRP, 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.