

Recombinant Human PTPRN Protein Product Manual

1. Product Basic Information

Product No.: REP07958

Protein Name: Ptp Ia-Islet Cell Antigen Islet Cell Antigen 512 (PTPRN)

Aliases: IA2; IA-ICA512; ICA 512; R-PTP-IA-2/PTP; PTP IA-islet cell antigen islet cell antigen 512

UniProt ID: Q16849

UniProt Link: <https://www.uniprot.org/uniprotkb/Q16849/entry>

Species Source: Homo sapiens (Human)

Expression System: Yeast

Protein Length: Partial (35-575aa)

Molecular Weight: 60.3 kDa

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

2. Amino Acid Sequence (35-575aa)

VSAHGCLFDRRLCSHLEVCIQDGLFGQCQVGVGQARPLLQVTSPVLQRLQGVLRRQ
LMSQGLSWHDDLTYVISQEMERIPRLRPPEPRPRDRSGLAPKRPGPAGELLQDI
PTGSAPAAQHRLPQPPVKGKGGAGASSLSPLQAELLPPLEHLLLPPQPPHPSLSY
EPALLQPYLFHQFGSRDGSRVSESGPMVSVGPLPKAEAPALFSRTASKGIFGDHP
GHSYGDLPGPSPAQLFQDSGLLYLAQELPAPSRARVPRLPEQGSSSRAEDSPEGY
EKEGLGDRGEKPASPAVQPDAALQRLAAVLAGYGVELRQLTPEQLSTLLTLLQLLP
KGAGRNPGGVVNVGADIKKTMEGPVEGRDTELPARTSPMPGHPTASPTSSEVQ
QVPSPVSSEPPKAARPPVTPVLEKKSPLGQSQPTVAGQPSARPAEEYGYIVTDQ
KPLSLAAGVKLLEILAEHVMSSGSFINISVVGPAITFRIRHNEQNLSLADVTQQAGL
VKSELEAQTGLQILQTGVGQREEAAVLPQTAHSTSPMR

3. Storage Buffer

Liquid Delivery Form: Tris-based buffer with 50% glycerol.

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 PTPRN partial protein (35-575aa) expressed in Yeast. The protein is with Myc tag at the C-terminus, which facilitates protein purification, detection and identification. PTPRN, also known as IA2 or IA-ICA512 or ICA 512, 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.