

Recombinant Mouse PTPRS Protein Product Manual

1. Product Basic Information

Product No.: REP07960

Protein Name: Protein Tyrosine Phosphatase Ptpsigma (PTPRS)

Aliases: R-PTP-PTPSIGMA; PTP-sigma; R-PTP-sigma; protein tyrosine phosphatase PTPsigma

UniProt ID: Q13332

UniProt Link: <https://www.uniprot.org/uniprotkb/Q13332/entry>

Species Source: Mus musculus (Mouse)

Expression System: E.coli

Protein Length: Partial (1631-1907aa)

Molecular Weight: 39.2 kDa

Protein Tag: N-terminal 10xHis-tagged and C-terminal Myc-tagged

2. Amino Acid Sequence (1631-1907aa)

EPGEHVTGMELEFKRLASSKAHTSRFITASLPCNKFKNRLVNILPYESSRVCLQPIR
GVEGSDYINASFIDGYRQQKAYIATQGPLAETTEDFWRALWENNSTIVMLTKLRE
MGREKCCQYWPAERSARYQYFVVDPMMAEYNMPQYILREFKVTDARDGQSRTVRQF
QFTDWPEQGAPKSGEGFIDFIGQVHKTKEQFGQDGPISVHCSAGVGRTGVFITLSIV
LERMRYEGVVDIFQTVKVLRTQRPAMVQTEDEYQFCFQAALAYLGSFDHYAT

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 Mouse PTPRS partial protein (1631-1907aa) expressed in E.coli. The protein is dual-tagged with 10xHis tag at the N-terminus and Myc tag at the C-terminus, which facilitates protein purification, detection and identification. PTPRS, also known as R-PTP-PTPSIGMA or PTP-sigma or R-PTP-sigma, 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.