

For Research Use Only

Recombinant Mouse PTPRZ protein (rFc Tag)



Catalog Number: Eg6825

Basic Information

Species:
Mouse

Purity:
>90 %, SDS-PAGE

Tag:
rFc Tag

Technical Specifications

Purity:
>90 %, SDS-PAGE

Endotoxin Level:
<0.1 EU/ μ g protein, LAL method

Source:
HEK293-derived Mouse PTPRZ protein Arg30-Glu420 (Accession# B9EKR1) with a rabbit IgG Fc tag at the C-terminus.

GeneID:
19283

Accession:
B9EKR1

Predicted Molecular Mass:
70.0 kDa

SDS-PAGE:
72-100 kDa, reducing (R) conditions

Formulation:
Lyophilized from 0.22 μ m filtered solution in PBS, pH 7.4. Normally 5% trehalose and 5% mannitol are added as protectants before lyophilization.

Biological Activity

Not tested

Storage and Shipping

Storage:

It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

- Until expiry date, -20°C to -80°C as lyophilized proteins.
- 3 months, -20°C to -80°C under sterile conditions after reconstitution.

Shipping:

The product is shipped at ambient temperature. Upon receipt, store it immediately at the recommended temperature.

Reconstitution

Briefly centrifuge the tube before opening. Reconstitute at 0.1-0.5 mg/mL in sterile water.

Background

Protein tyrosine phosphatase receptor type Z (PTPRZ, also termed PTP ζ) is a type I trans-membrane receptor tyrosine phosphatase that belongs to the R5 sub-family. It is predominantly expressed in the central nervous system, localizing to the plasma membrane of oligodendrocytes, astrocytes and neural stem/progenitor cells.

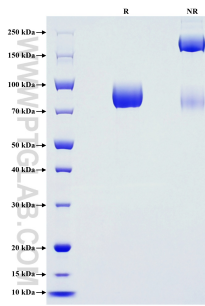
References

Tanga, Naomi et al. PloS one vol. 14,6 e0217880. 13 Jun. 2019.

Synonyms

EC:3.1.3.48, Ptpz1, Receptor-tyrosine-protein phosphatase zeta, R-PTP-zeta

Selected Validation Data



Purity of Recombinant Mouse PTPRZ was determined by SDS-PAGE. The protein was resolved in an SDS-PAGE in reducing (R) and non-reducing (NR) conditions and stained using Coomassie blue.

For technical support and original validation data for this product please contact

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