For Research Use Only

Recombinant Human PTPRZ1 protein (rFc Tag)

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Catalog Number: Eg5898

Basic Information

Species: Human

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 Human PTPRZ1 protein Arg30-Glu420 (Accession# P23471-1) with a rabbit IgG Fc tag at the C-terminus.

GeneID:
5803

Accession:
P23471-1

Predicted Molecular Mass:
70.1 kDa

SDS-PAGE:
70-95 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℃ to -80℃ as lyophilized proteins.
- 3 months, -20℃ to -80℃ 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

PTPRZ1, also named as HTPZP2, PTPRZ, PTPRZ2, and PTPZ, belongs to the protein-tyrosine phosphatase family and Receptor class 5 subfamily. It regulates cell signal transduction by catalyzing tyrosine dephosphorylation, playing a key role in neural stem cell proliferation, glial cell development, and axonal guidance.

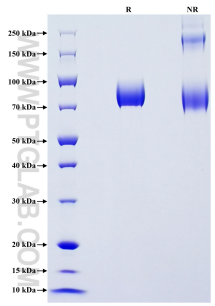
References

1.Nagai, Kenichiro et al.International journal of molecular sciences vol. 23,8 4414. 16 Apr. 2022
2.Xia, Zhenkun et al. Journal of Cancer vol. 10,7 1663-1674. 2 Apr. 2019,

Synonyms

EC:3.1.3.48, HPTPZ, HTPZP2, Protein-tyrosine phosphatase receptor type Z polypeptide 1, Protein-tyrosine phosphatase receptor type Z polypeptide 2

Selected Validation Data



Purity of Recombinant Human PTPRZ1 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.