For Research Use Only

Recombinant Human MINP1 protein (rFc Tag)

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Catalog Number: Eg6070

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 MINP1 protein Ser31-Leu487 (Accession# Q9UNW1) with a rabbit IgG Fc tag at the C-terminus.

GeneID:
9562

Accession:
Q9UNW1

Predicted Molecular Mass:
77.7 kDa

SDS-PAGE:
70-90 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

MINPP1 (multiple inositol-polyphosphate phosphatase 1), also known as MIPP and MINPP2, is an enzyme that catalyzes the removal of the 3-phosphate group from inositol phosphate substrates. It plays a crucial role in the metabolism of inositol polyphosphates, which are important second messengers in cellular signaling pathways. MINPP1 has been implicated in various diseases, including certain types of cancer, where its expression levels may be associated with tumor progression and differentiation.

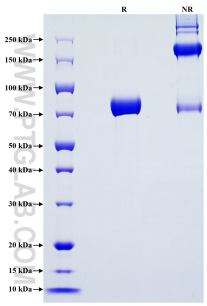
References

1. Ucuncu, Ekin et al. Nature communications vol. 11,1 (2020): 6087.
2. Windhorst, Sabine et al. The Biochemical journal vol. 450,1 (2013): 115-25.
3. Appelhof, Bart et al. European journal of human genetics : EJHG vol. 29,3 (2021): 411-421.

Synonyms

HIPER1, Ins(1,3,4,5)P(4) 3 phosphatase, MINPP2, MIPP

Selected Validation Data



Purity of Recombinant Human MINP1 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.