

For Research Use Only

Recombinant Human ENPP2/Autotaxin protein (rFc Tag)



Catalog Number: Eg7267

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 ENPP2 protein Asp49-Ile863 (Accession# Q13822-1) with a rabbit IgG Fc tag at the N-terminus.

GeneID:

5168

Accession:

Q13822-1

Predicted Molecular Mass:

119.8 kDa

SDS-PAGE:

105-135 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

ENPP2, Autotaxin or Extracellular lysophospholipase D, is a 863 amino acid secreted protein, which is detected in blood plasma (at protein level). ENPP2 is Predominantly expressed in brain, placenta, ovary, and small intestine. ENPP2 is expressed in a number of carcinomas such as hepatocellular and prostate carcinoma, neuroblastoma and non-small-cell lung cancer. ENPP2 is expressed in body fluids such as plasma, cerebral spinal fluid (CSF), saliva, follicular and amniotic fluids. ENPP2 Hydrolyzes lysophospholipids to produce the signaling molecule lysophosphatidic acid (LPA) in extracellular fluids.

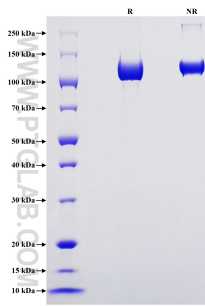
References

- 1.Tokumura, Akira et al. The Journal of biological chemistry vol. 277,42 (2002): 39436-42.
- 2.Stein, Adam J et al. Molecular pharmacology vol. 88,6 (2015): 982-92.
- 3.van Meeteren, Laurens A et al. The Journal of biological chemistry vol. 280,22 (2005): 21155-61.
- 4.Stein, Adam J et al. Molecular pharmacology vol. 88,6 (2015): 982-92.
- 5.Bain, Gretchen et al. The Journal of pharmacology and experimental therapeutics vol. 360,1 (2017): 1-13.

Synonyms

AUTOTAXIN, ENPP2, ATX, ATX X, E NPP 2

Selected Validation Data



Purity of Recombinant Human ENPP2 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

T: 027-87531629

E: Proteintech-CN@ptglab.com

W: ptgcn.com

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