

For Research Use Only

Recombinant Human FOLR3 protein (rFc Tag) (HPLC verified)



Catalog Number: Eg3170

Basic Information

Species:
Human

Purity:
>90 %, SDS-PAGE
>90 %, SEC-HPLC

Tag:
rFc Tag

Technical Specifications

Purity:
>90 %, SDS-PAGE
>90 %, SEC-HPLC

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

Source:
HEK293-derived Human FOLR3 protein Gln23-Ser245 (Accession# P41439-1) with a rabbit IgG Fc tag at the C-terminus.

GeneID:
2352

Accession:
P41439-1

Predicted Molecular Mass:
51.5 kDa

SDS-PAGE:
55-65 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

Folate receptor 3 (FOLR3) belongs to the folate receptor family. The folic acid receptors (FOLRs) have three isoforms (FOLR1, FOLR2 and FOLR3) in human. FOLR1 and FOLR2 are located in the cell membrane surface and transported folic acid into cell membrane using glycosylphosphatidylinositol (GPI)-anchored membrane protein by endocytosis. FOLR3 is mainly expressed in haematopoietic tissues, such as spleen and bone marrow, and its protein products are primarily secreted. FOLR3, which is expressed in humans but not in rodents, is a secreted protein that is elevated in the livers of patients with MASH but not in those with metabolic dysfunction-associated steatotic liver disease, those with type II diabetes, or healthy individuals.

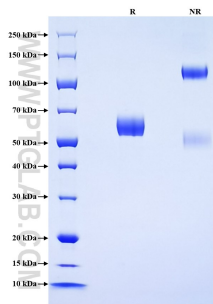
References

1. Qu Y, et al. (2024) *Respir Res.* 25(1):59.
2. Shen F, et al. (1994) *Biochemistry.* 33(5):1209-15.
3. Shen F, et al. (1995) *Biochemistry.* 34(16):5660-5.
4. Quinn C, et al. (2023) *Sci Transl Med.* 15(715):eade2966.

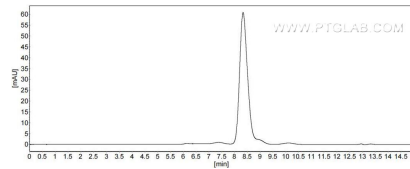
Synonyms

Folate receptor 3, folate receptor 3 (gamma), Folate receptor gamma, FR G, FR gamma

Selected Validation Data



Purity of Recombinant Human FOLR3 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.



The purity of Human FOLR3 was greater than 90% as determined by SEC-HPLC.

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

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