

For Research Use Only

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



Catalog Number: Eg3170

## Basic Information

**Species:**  
Human

**Purity:**  
>90 %, SDS-PAGE<br>>90 %, SEC-HPLC

**Tag:**  
rFc Tag

## Technical Specifications

**Purity:**  
>90 %, SDS-PAGE<br>>90 %, SEC-HPLC

**Endotoxin Level:**  
<0.1 EU/μg 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 μm 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

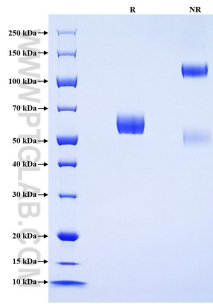
Folate receptor 3, folate receptor 3 (gamma), Folate receptor gamma, FR G, FR gamma

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

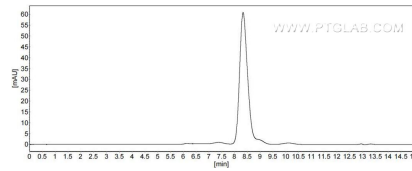
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W: ptglab.com

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## 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.