

Biotinylated Human FOLR3 Protein, His,Avitag™ (HPLC verified)

Catalog # FO3-H82E3



Synonyms

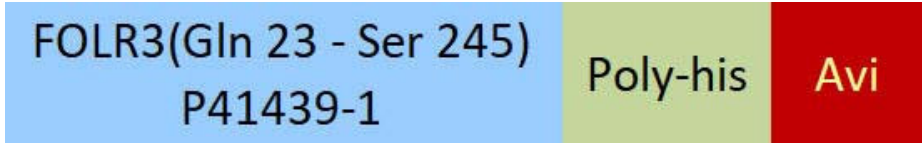
folate receptor 3 (gamma), Folate receptor 3, folate receptor gamma, FOLR3, FR-G, FR-gamma, gamma-Hfr,

Source

Biotinylated Human FOLR3 Protein, His,Avitag (FO3-H82E3) is expressed from human 293 cells (HEK293). It contains AA Gln 23 - Ser 245 (Accession # [P41439-1](#)).

Predicted N-terminus: Gln 23

Molecular Characterization



This protein carries a polyhistidine tag at the C-terminus, followed by an Avi tag (Avitag™).

The protein has a calculated MW of 29.2 kDa. The protein migrates as 35-43 kDa when calibrated against [Star Ribbon Pre-stained Protein Marker](#) under reducing (R) condition (SDS-PAGE) due to glycosylation.

Conjugate

Biotin-labeled

Labeling

Biotinylation of this product is performed using Avitag™ technology. Briefly, the single lysine residue in the Avitag is enzymatically labeled with biotin.

Protein Ratio

Passed as determined by the SABA assay / HABA assay / binding ELISA.

Endotoxin

Less than 1.0 EU per µg by the LAL method / rFC method.

Purity

>90% as determined by SDS-PAGE.

>90% as determined by SEC-HPLC.

Formulation

Lyophilized from 0.22 µm filtered solution in 50 mM Tris, 100 mM Glycine, 150 mM NaCl, pH7.5 with trehalose as protectant.

Contact us for customized product form or formulation.

Reconstitution

Please see Certificate of Analysis for specific instructions.

For best performance, we strongly recommend you to follow the reconstitution protocol provided in the CoA.

Shipping and Storage

This product is shipped at ambient temperature.

For long term storage, the product should be stored at lyophilized state at -20°C or lower.

Please avoid repeated freeze-thaw cycles.

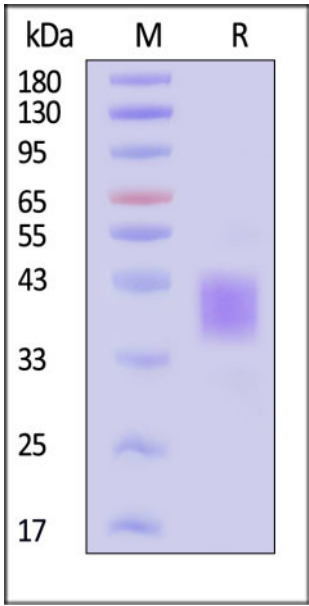
This product is stable after storage at:

- -20°C to -70°C for 12 months in lyophilized state;
- -70°C for 3 months under sterile conditions after reconstitution.

ACRO Quality Management System

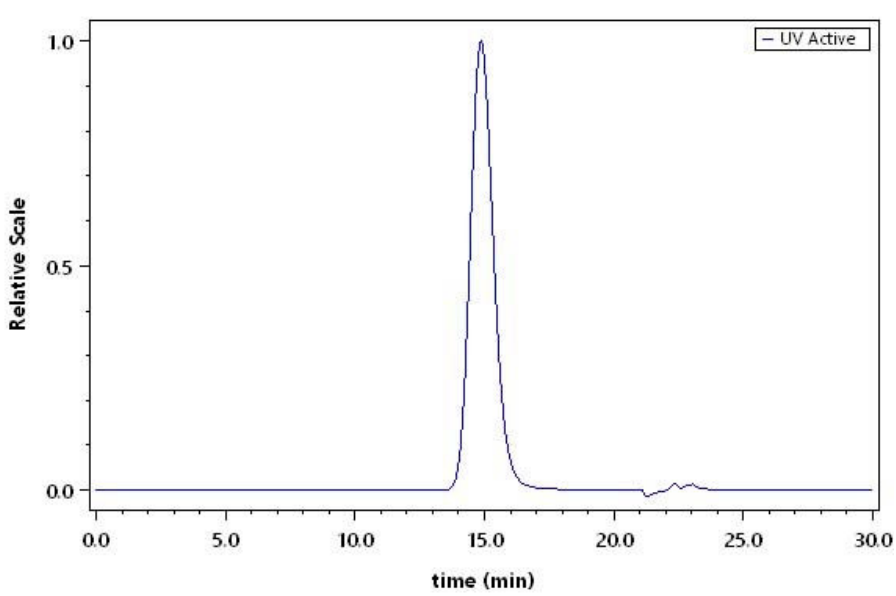
- [QMS\(ISO, GMP\)](#)
- [Quality Advantages](#)
- [Quality Control Process](#)

SDS-PAGE



Biotinylated Human FOLR3 Protein, His,Avitag on SDS-PAGE under reducing (R) condition. The gel was stained with Coomassie Blue. The purity of the protein is greater than 90% (With [Star Ribbon Pre-stained Protein Marker](#)).

SEC-HPLC



The purity of Biotinylated Human FOLR3 Protein, His,Avitag (Cat. No. FO3-H82E3) was greater than 90% as determined by SEC-HPLC.

Background

FOLR3, also know as folate receptor gamma, is a member of FRs. Folic acid and its reduced derivatives are transported via two widely expressed transporters, the reduced folate carrier (RFC) and the proton-coupled folate transporter (PCFT), and via a family of glycosyl-phosphatidylinositol (GPI)-anchored receptors with limited expression profiles known as folate receptors (FRs).Folate receptors (FR) are high affinity receptors that transport folate via endocytosis. Human FR exists in three isoforms, alpha and beta equipped with GPI anchors, and gamma not possessing a GPI anchor.



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