

Synonym

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

Source

Human FOLR3, His Tag(FO3-H52H3) is expressed from human 293 cells (HEK293). It contains AA Gln 23 - Ser 245 (Accession # [P41439-1](#)).
Predicted N-terminus: Gln 23

Molecular Characterization

FOLR3(Gln 23 - Ser 245)
P41439-1 Poly-his

This protein carries a polyhistidine tag at the C-terminus

The protein has a calculated MW of 27.4 kDa. The protein migrates as 33-45 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.

Endotoxin

Less than 1.0 EU per µg by the LAL method.

Purity

>90% as determined by SDS-PAGE.

>90% as determined by SEC-MALS.

Formulation

Lyophilized from 0.22 µm filtered solution in 50 mM Tris, 100 mM Glycine, 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.

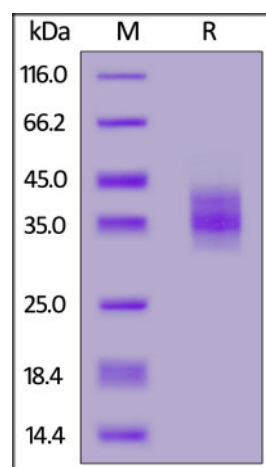
Storage

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

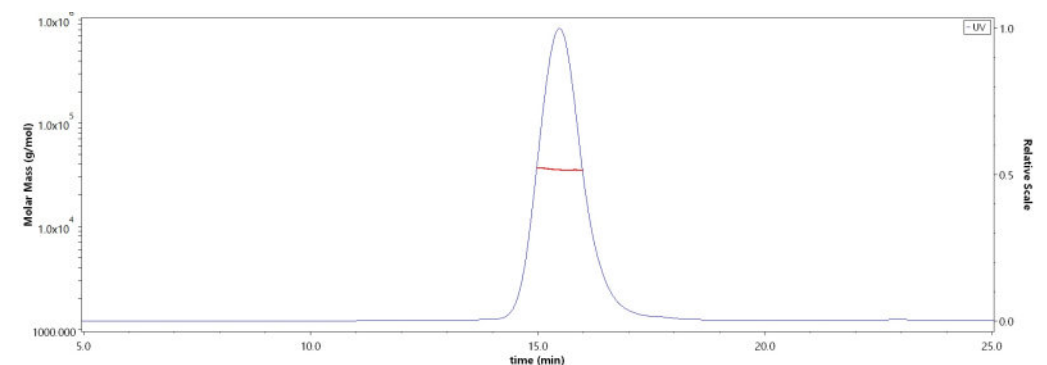
Please avoid repeated freeze-thaw cycles.

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.

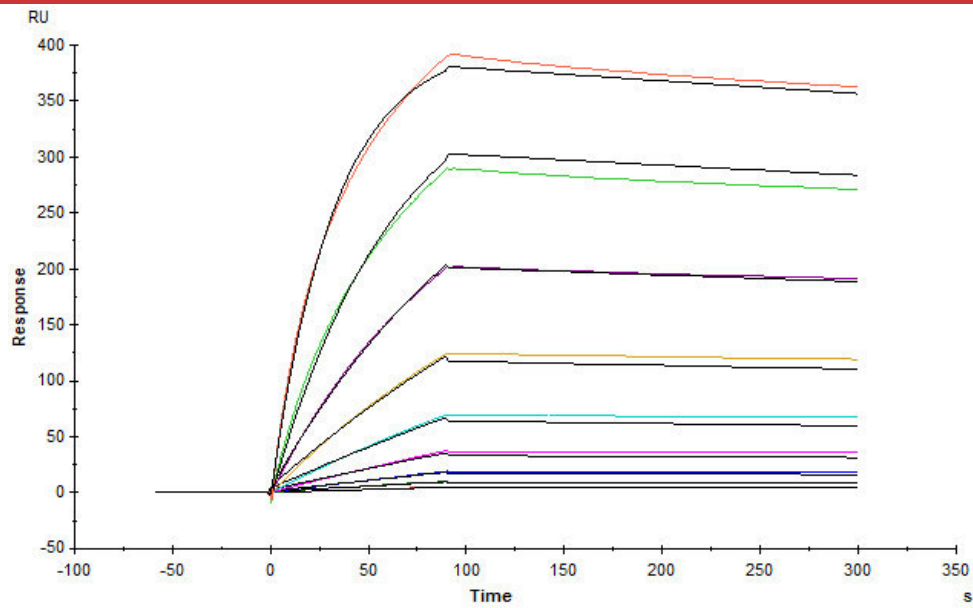
SDS-PAGE

Human FOLR3, His Tag on SDS-PAGE under reducing (R) condition. The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 90%.

Bioactivity-SPR**SEC-MALS**

The purity of Human FOLR3, His Tag (Cat. No. FO3-H52H3) is more than 90% and the molecular weight of this protein is around 28-42 kDa verified by SEC-MALS.

[Report](#)



Folic acid-BSA immobilized on CM5 Chip can bind Human FOLR3, His Tag (Cat. No. FO3-H52H3) with an affinity constant of 1.03 nM as determined in a SPR assay (Biacore T200) (Routinely tested).

Background

FOLR3, also known 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.

Clinical and Translational Updates

Please contact us via TechSupport@acrobiosystems.com if you have any question on this product.