

Synonym

FGF R3 (IIIb), FGF R3B, CD333

Source

Human FGF R3 (IIIb), Fc Tag (FGB-H5259) is expressed from human 293 cells (HEK293). It contains AA Glu 23 - Gly 377 (Accession # [P22607-2](#)).

Predicted N-terminus: Glu 23

Molecular Characterization

FGF R3 (IIIb)(Glu 23 - Gly 377) P22607-2	Fc(Pro 100 - Lys 330) P01857
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This protein carries a human IgG1 Fc tag at the C-terminus.

The protein has a calculated MW of 65.0 kDa. The protein migrates as 80-90 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.

Endotoxin

Less than 1.0 EU per µg by the LAL method.

Purity

>95% as determined by SDS-PAGE.

>90% as determined by SEC-MALS.

Formulation

Lyophilized from 0.22 µm filtered solution in PBS, pH7.4. Normally trehalose is added as protectant before lyophilization.

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.

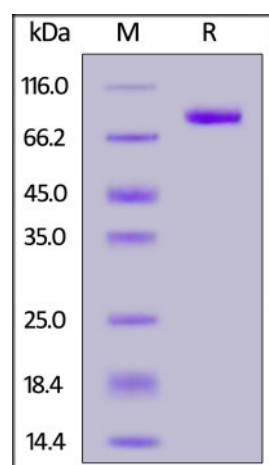
Storage

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

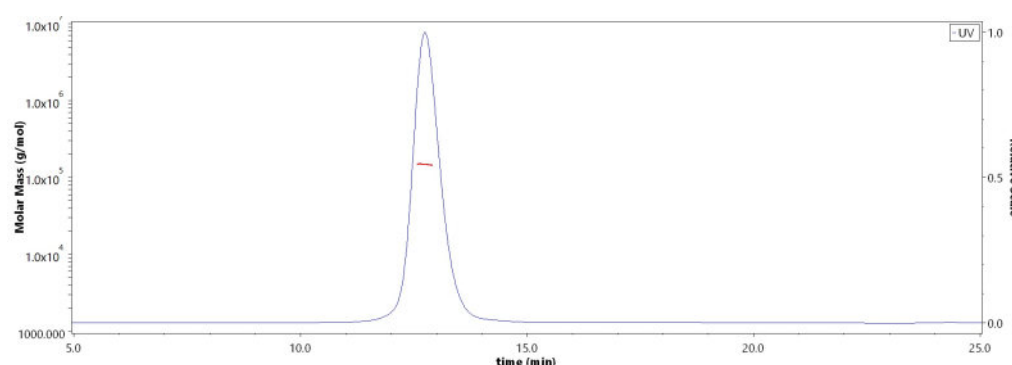
Please avoid repeated freeze-thaw cycles.

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.

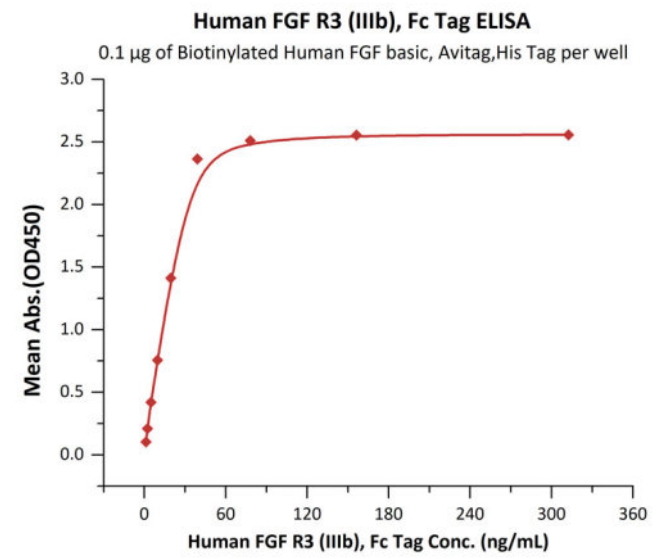
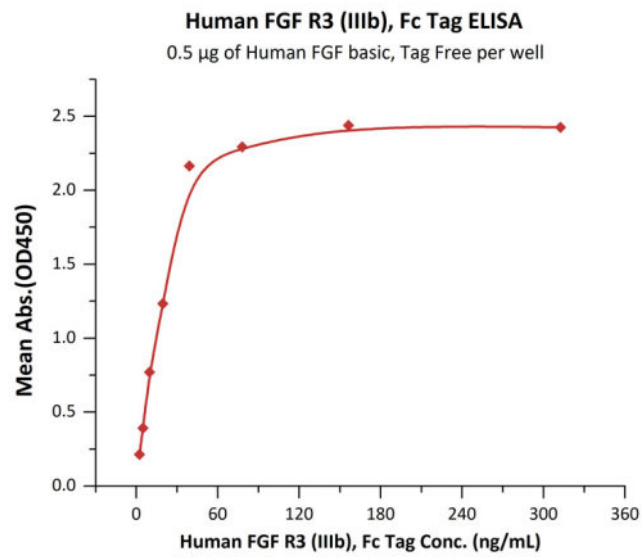
SDS-PAGE

Human FGF R3 (IIIb), Fc Tag on SDS-PAGE under reducing (R) condition. The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 95%.

Bioactivity-ELISA**SEC-MALS**

The purity of Human FGF R3 (IIIb), Fc Tag (Cat. No. FGB-H5259) is more than 90% and the molecular weight of this protein is around 132-162 kDa verified by SEC-MALS.

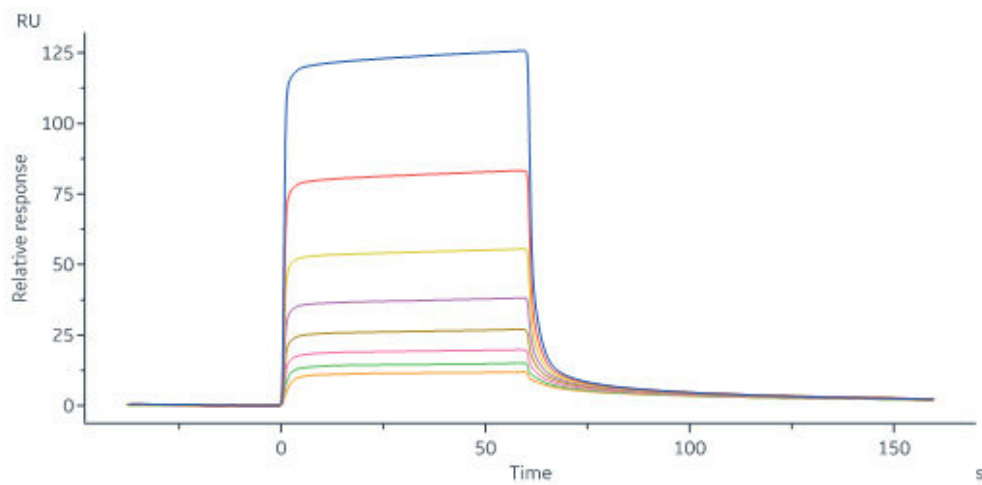
[Report](#)



Immobilized Human FGF basic, Tag Free (Cat. No. BFF-H4117) at 5 µg/mL (100 µL/well) can bind Human FGF R3 (IIIb), Fc Tag (Cat. No. FGB-H5259) with a linear range of 2-39 ng/mL (QC tested).

Immobilized Biotinylated Human FGF basic, Avitag,His Tag (Cat. No. [FGC-H81E3](#)) at 1 µg/mL (100 µL/well) on streptavidin (Cat. No. [STN-N5116](#)) precoated (0.5 µg/well) plate can bind Human FGF R3 (IIIb), Fc Tag (Cat. No. FGB-H5259) with a linear range of 1-39 ng/mL (Routinely tested).

Bioactivity-SPR



Human FGF R3 (IIIb), Fc Tag (Cat. No. FGB-H5259) immobilized on CM5 Chip can bind Human FGF acidic, Tag Free (Cat. No. AFF-H4116) with an affinity constant of 5.91 µM as determined in a SPR assay (Biacore 8K) (Routinely tested).

Clinical and Translational Updates

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