

Synonym

FGFR5,FGFRL1,FHFR

Source

Human FGF R5, Fc Tag (FG1-H5250) is expressed from human 293 cells (HEK293). It contains AA Ala 25 - Pro 378 (Accession # AAH36769).

Predicted N-terminus: Ala 25

Molecular Characterization

FGF R5(Ala 25 - Pro 378) AAH36769	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 65.5 kDa. The protein migrates as 85-95 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.

Formulation

Lyophilized from 0.22 µm filtered solution in 50 mM Tris, 100 mM Glycine, pH7.5. 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.

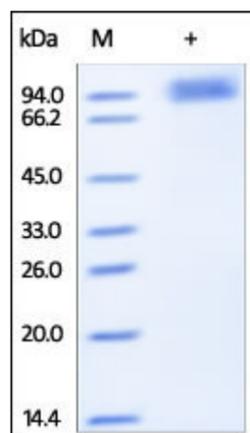
Storage

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 R5, 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%.

Background

Fibroblast growth factor receptor 5 (FGFR-5) is also known as Fibroblast growth factor receptor-like 1 (FGFRL1), FGF homologous factor receptor (FHFR), is a single-pass type I membrane protein. FGFRL1 / FGFR5 contains three Ig-like C2-type (immunoglobulin-like) domains. FGFR-5 is expressed preferentially in cartilaginous tissues and pancreas and highly expressed in the liver, kidney, heart, brain and skeletal muscle. FGF RL1 / FGFR5 has a negative effect on cell proliferation. FGFR5 interacts with FGF2 with a low affinity.

References

- (1) [Wiedemann M., et al., 2000, Genomics 69:275-279.](#)

- (2) [Sleeman M., et al., 2001, Gene 271:171-182.](#)
- (3) [Trueb B., et al., 2003, J. Biol. Chem. 278:33857-33865.](#)

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