



Synonym

ACVR2B,ACTRIIB,MGC116908

Source

Human Activin RIIB Protein, Fc Tag(ACB-H5254) is expressed from human 293 cells (HEK293). It contains AA Ser 19 - Thr 137 (Accession # [Q13705-1](#)).

Predicted N-terminus: Ser 19

Molecular Characterization

ACVR2B(Ser 19 - Thr 137) Q13705-1	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 40.1 kDa. The protein migrates as 55-65 kDa when calibrated against [Star Ribbon Pre-stained Protein Marker](#) 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 PBS, pH7.4 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

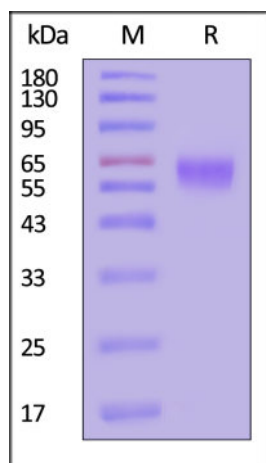
For long term storage, the product should be stored at lyophilized state at -20°C or lower.

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.

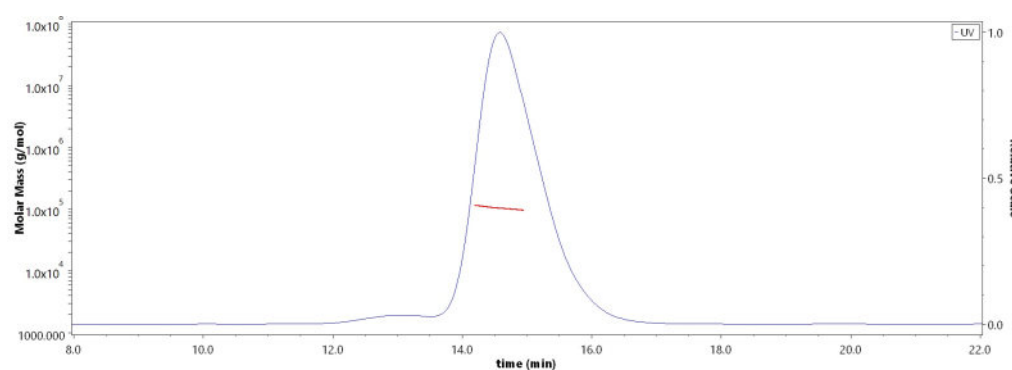
SDS-PAGE



Human Activin RIIB Protein, Fc Tag 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](#)).

Bioactivity-ELISA

SEC-MALS



The purity of Human Activin RIIB Protein, Fc Tag (Cat. No. ACB-H5254) is more than 90% and the molecular weight of this protein is around 95-115 kDa verified by SEC-MALS.

[Report](#)

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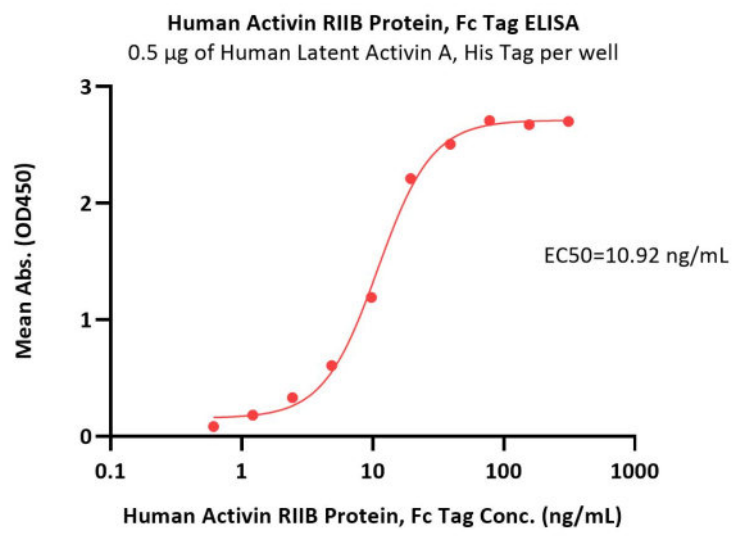


Human Activin RIIB Protein, Fc Tag (MALS verified)

Catalog # ACB-H5254



BIOSYSTEMS
Acro



Immobilized Human Latent Activin A, His Tag (Cat. No. ACA-H424x) at 5 µg/mL (100 µL/well) can bind Human Activin RIIB Protein, Fc Tag (Cat. No. ACB-H5254) with a linear range of 0.6-20 ng/mL (QC tested).

Background

Activin receptor type-2B (ACVR2B) is also known as ActR-IIB and MGC116908, ACVR2B is an activin type 2 receptor. Activins are dimeric growth and differentiation factors which belong to the transforming growth factor-beta (TGF-beta) superfamily of structure.

Clinical and Translational Updates

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7/15/2024