



Synonym

IL-18 R beta,IL-1 R7,CD218b,CDw218b,IL-1 R7,IL-18 R beta,IL-18 receptor accessory protein,IL-18 receptor beta,IL18R beta,IL-18RAcP

Source

Human IL-18 R beta Protein, Fc Tag(ILB-H5256) is expressed from human 293 cells (HEK293). It contains AA Phe 20 - Arg 356 (Accession # [O95256-1](#)).

Predicted N-terminus: Phe 20

Molecular Characterization

IL-18 R beta(Phe 20 - Arg 356) O95256-1	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 64.9 kDa. The protein migrates as 70-100 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, 25 mM Arginine, 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.

Storage

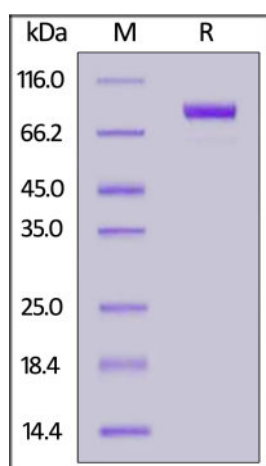
For long term storage, the product should be stored at lyophilized state at -20°C or lower.

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

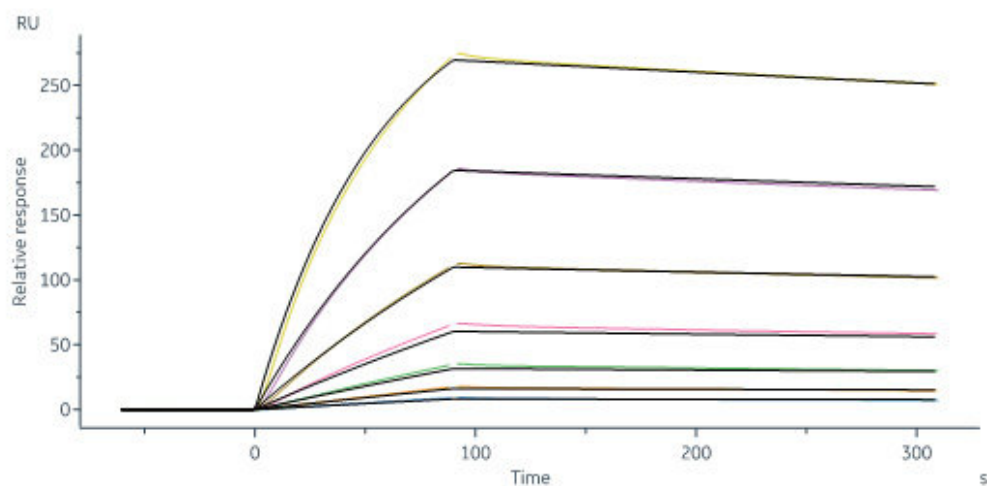


Human IL-18 R beta Protein, Fc Tag on SDS-PAGE under reducing (R) condition. The gel was stained with Coomassie Blue. The purity of the protein is greater than 95%.

Bioactivity-SPR

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Biotinylated Human IL-18 R1, His,Avitag (Cat. No. IL1-H82E7) captured on Biotin CAP-Series S Sensor Chip can bind Human IL-18, Tag Free (Premixed with Human IL-18 R beta, Fc Tag, Cat. No. ILB-H5256) with an affinity constant of 5.87 nM as determined in a SPR assay (Biacore 8K) (Routinely tested).

Background

IL-18 R beta (IL-1R7), also known as IL18RAP (Interleukin 18 Receptor Accessory Protein), is a member of the IL-1 family. Within the IL18 receptor complex, does not mediate IL18-binding, but involved in IL18-dependent signal transduction, leading to NF-kappa-B and JNK activation

Clinical and Translational Updates

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

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