

Synonym

LILRB5,CD85c,LIR-8

Source

Biotinylated Human LILRB5, Fc,Avitag (CDC-H82F8) is expressed from human 293 cells (HEK293). It contains AA Gly 24 - Gly 458 (Accession # [O75023-1](#)).

Predicted N-terminus: Gly 24

Molecular Characterization

LILRB5(Gly 24 - Gly 458) O75023-1	Fc(Pro 100 - Lys 330) P01857	Avi
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This protein carries a human IgG1 Fc tag at the C-terminus, followed by an Avi tag (Avitag™).

The protein has a calculated MW of 75.8 kDa. The protein migrates as 90-105 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.

Biotinylation

Biotinylation of this product is performed using Avitag™ technology. Briefly, the single lysine residue in the Avitag is enzymatically labeled with biotin.

Biotin:Protein Ratio

Passed as determined by the HABA assay / binding ELISA.

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 Tris with Glycine, Arginine and NaCl, 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.

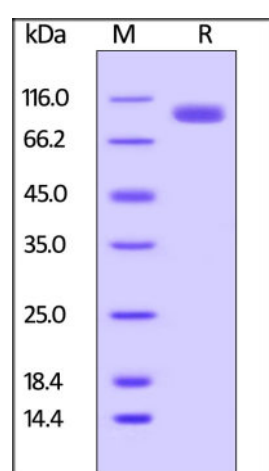
Storage

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

Biotinylated Human LILRB5, Fc,Avitag 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

Leukocyte immunoglobulin-like receptor subfamily B member 5 (LILRB5), also known as CD85c and LIR-8, belongs to the leukocyte immunoglobulin-like receptor (LIR) family of transmembrane glycoproteins that negatively regulate immune cell activation. Several other LIR subfamily B receptors are expressed on immune cells where they bind to MHC class I molecules on antigen-presenting cells and inhibit stimulation of an immune response.

Clinical and Translational Updates

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