

Synonym

LILRA5,CD85f,ILT11,LIR9,LILRB7

Source

Biotinylated Human LILRA5, His,Avitag (LI5-H82E1) is expressed from human 293 cells (HEK293). It contains AA Gly 42 - Arg 268 (Accession # [A6NI73-1](#)).

Predicted N-terminus: Gly 42

Molecular Characterization

This protein carries a polyhistidine tag at the C-terminus, followed by an Avi tag (Avitag™).

The protein has a calculated MW of 28.9 kDa. The protein migrates as 35-45 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 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.

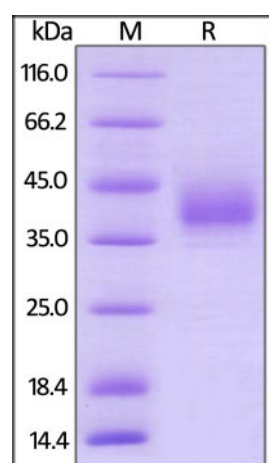
Storage

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

Biotinylated Human LILRA5, His,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

LIRs are immunoglobulin-like receptors that have activating and inhibitory functions in leukocytes. Leukocyte immunoglobulin-like receptor A5 (LILRA5) belongs to a family of receptors known to regulate leukocyte activation. LILRA5, expressed as a membrane-bound receptor and as a secreted molecule. The transmembrane

LILRA5 contain a short cytoplasmic domain and a charged arginine residue within the transmembrane region that is likely to mediate its association with another coreceptor. LILRA5 is mostly expressed in myeloid cells, including monocytes and neutrophils.

Clinical and Translational Updates

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