



Synonym

LILRA3,ILT6,LIR4,CD85e

Source

Biotinylated Human LILRA3, His,Avitag(LI3-H82E0) is expressed from human 293 cells (HEK293). It contains AA Gly 24 - Glu 439 (Accession # [AAH28208.1](#)).

Predicted N-terminus: Gly 24

Molecular Characterization

LILRA3(Gly 24 - Glu 439)	Poly-his	Avi
AAH28208.1		

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

The protein has a calculated MW of 48.7 kDa. The protein migrates as 65-80 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.

Labeling

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

Protein Ratio

Passed as determined by the HABA assay / binding ELISA.

Purity

>95% as determined by SDS-PAGE.

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

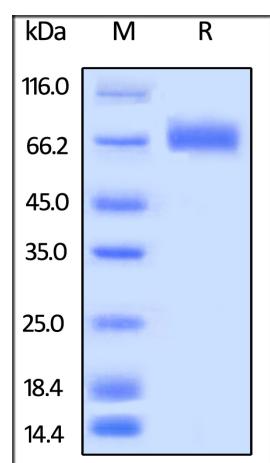
For long term storage, the product should be stored at lyophilized state at -20°C or lower.

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



Biotinylated Human LILRA3, His,Avitag on SDS-PAGE under reducing (R) condition. The gel was stained with Coomassie Blue. The purity of the protein is greater than 95%.

Background

Leukocyte immunoglobulin-like receptor subfamily A member 3 (LILRA3) is also known as CD85 antigen-like family member E (CD85e), immunoglobulin-like transcript 6 (ILT-6), and leukocyte immunoglobulin-like receptor 4 (LIR-4) is a protein that in humans is encoded by the LILRA3 gene located within the eukocyte receptor complex on chromosome 19q13.4. Unlike many of its family, LILRA3 lacks a transmembrane domain, which contains 4 Ig-like C2-type (immunoglobulin-

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Biotinylated Human LILRA3 / CD85e Protein, His,Avitag™

Catalog # LI3-H82E0



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like) domains. LILRA3 acts as soluble receptor for class I MHC antigens. At the same time, LILRA3 can bind both classical and non-classical HLA class I molecules but with reduced affinities compared to LILRB1 or LILRB2. Also, LILRA3 can bind with high affinity to the surface of monocytes, leading to abolish LPS-induced TNF-alpha production by monocytes.

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