



## Synonym

LILRB2,ILT4,LIR2,MIR10,CD85d

## Source

Biotinylated Cynomolgus LILRB2, His,Avitag(LI2-C82E3) is expressed from human 293 cells (HEK293). It contains AA Gly 24 - Leu 448 (Accession # [BAE87348.1](#)).

Predicted N-terminus: Gly 24

## Molecular Characterization

LILRB2(Gly 24 - Leu 448)	Poly-his	Avi
BAE87348.1		

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

The protein has a calculated MW of 50.2 kDa. The protein migrates as 65-70 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

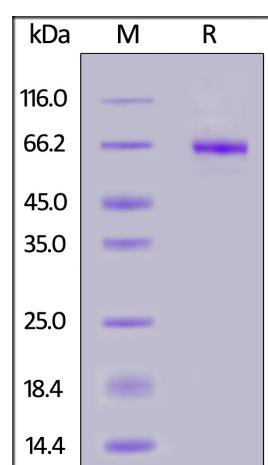
For long term storage, the product should be stored at lyophilized state at -20°C or lower.

*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 Cynomolgus LILRB2, 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 B member 2 (LILRB2) is also known as CD85 antigen-like family member D (CD85d), Immunoglobulin-like transcript 4 (ILT-4), Monocyte / macrophage immunoglobulin-like receptor 10 (MIR-10), which is a member of the the subfamily B class of LIR receptors. LILRB2

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# Biotinylated Cynomolgus LILRB2 / CD85d / ILT4 Protein, His,Avitag™

Catalog # LI2-C82E3



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is receptor for class I MHC antigens. LILRB2 recognizes a broad spectrum of HLA-A, HLA-B, HLA-C and HLA-G alleles. LILRB2 competes with CD8A for binding to class I MHC antigens. LILRB2 / CD85d inhibits FCGR1A-mediated phosphorylation of cellular proteins and mobilization of intracellular calcium ions.

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4/21/2025