



### Synonym

LILRB4,ILT3,LIR5,CD85K,HM18

### Source

Cynomolgus LILRB4, His Tag(CDK-C5227) is expressed from human 293 cells (HEK293). It contains AA Gln 22 - Glu 259 (Accession # [XP\\_015297198.1](#)).

Predicted N-terminus: Gln 22

### Molecular Characterization

LILRB4(Gln 22 - Glu 259)  
XP\_015297198.1

Poly-his

This protein carries a polyhistidine tag at the C-terminus.

The protein has a calculated MW of 28.0 kDa. The protein migrates as 34-42 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.

### Endotoxin

Less than 1.0 EU per µg by the LAL method.

### Purity

>90% 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

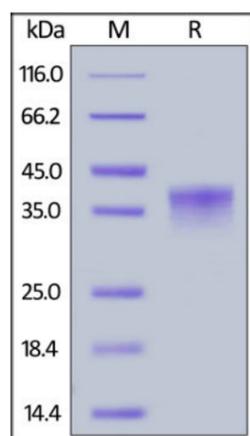
For long term storage, the product should be stored at lyophilized state at -20°C or lower.

*Please avoid repeated freeze-thaw cycles.*

This product is stable after storage at:

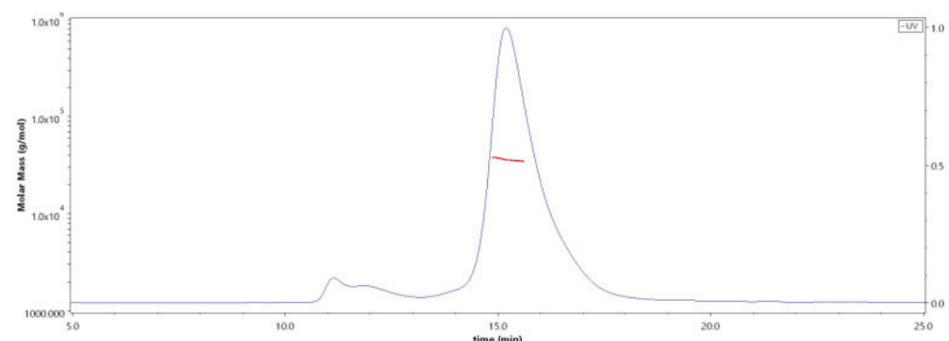
- -20°C to -70°C for 12 months in lyophilized state;
- -70°C for 3 months under sterile conditions after reconstitution.

### SDS-PAGE



Cynomolgus LILRB4, His Tag on SDS-PAGE under reducing (R) condition. The gel was stained with Coomassie Blue. The purity of the protein is greater than 90%.

### SEC-MALS



The purity of Cynomolgus LILRB4, His Tag (Cat. No. CDK-C5227) is more than 85% and the molecular weight of this protein is around 30-42 kDa verified by SEC-MALS.

[Report](#)

### Background

Leukocyte immunoglobulin-like receptor subfamily B member 4 (LILRB4) is also known as CD85 antigen-like family member K (CD85K), Immunoglobulin-like transcript 3 (ILT-3), Leukocyte immunoglobulin-like receptor 5 (LIR-5), Monocyte inhibitory receptor HM18, which belongs to the leukocyte immunoglobulin-like receptor (LIR) family. LILRB4 / CD85K contains 2 Ig-like C2-type (immunoglobulin-like) domains. CD85K is detected in monocytes, macrophages, dendritic cells,

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and more!



## Cynomolgus LILRB4 / CD85k / ILT3 Protein, His Tag (MALS verified)

Catalog # CDK-C5227



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lung, natural killer cells and B-cells. LILRB4 / CD85K is receptor for class I MHC antigens. CD85K recognizes a broad spectrum of HLA-A, HLA-B, HLA-C and HLA-G alleles, involved in the down-regulation of the immune response and the development of tolerance. LILRB4 interferes with TNFRSF5-signaling and NF-kappa-B up-regulation and inhibits receptor-mediated phosphorylation of cellular proteins and mobilization of intracellular calcium ions.

### Clinical and Translational Updates

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