**Product Name: Recombinant Cynomolgus LAG-3 (C-Fc)**
**Catalog #: PHV1953**

## Summary

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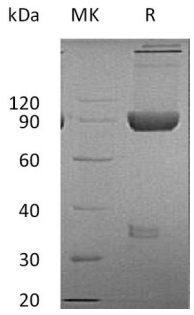
|---|---|
| **Name** | LAG-3/CD223/Lymphocyte activation gene 3 Protein |
| **Purity** | Greater than 95% as determined by reducing SDS-PAGE |
| **Endotoxin level** | <1 EU/μg as determined by LAL test. |
| **Construction** | Recombinant Cynomolgus Lymphocyte Activation Gene-3 is produced by our Mammalian expression system and the target gene encoding Ala18-His449(Pro74) is expressed with a human IgG1 Fc tag at the C-terminus. |
| **Accession #** | XP_005570011.1 |
| **Host** | Human Cells |
| **Species** | Cynomolgus |
| **Predicted Molecular Mass** | 73.6 KDa |
| **Formulation** | Lyophilized from a 0.2 μm filtered solution of PBS, 5% Trehalose, pH 7.4. |
| **Shipping** | The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature listed below. |
| **Stability&Storage** | Store at ≤-70°C, stable for 6 months after receipt. Store at ≤-70°C, stable for 3 months under sterile conditions after opening. Please minimize freeze-thaw cycles. |
| **Reconstitution** | Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100μg/ml. Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100μg/ml. Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles. |

## SDS-PAGE image




## Background

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|---|---|
| **Alternative Names** | Lymphocyte activation gene 3 protein; LAG3; LAG-3; Protein FDC; CD223 |
| **Background** | Human Lymphocyte activation gene 3 protein( LAG3) is a member of immunoglobulin (Ig) superfamily. LAG3 contains 4 extracellular Ig-like domains. The LAG3 gene contains 8 exons. LAG3 is involved in lymphocyte activation and can bind to HLA class-II antigens. It is selectively expressed in activated T and NK cells. LAG3 has a negative regulatory function in T cells and acts as as a new marker of T cell induced B cell activation. As a soluble molecule, LAG3 activates antigen-presenting cells through MHC class II signaling. It can lead to increased antigen-specific T-cell responses in vivo. LAG-3 has higher affinity to MHC class II than CD4. |

## Note

For Research Use Only , Not for Diagnostic Use.