

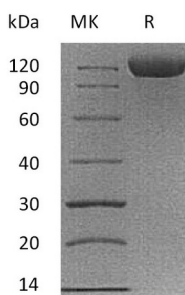
**Product Name: Recombinant Cynomolgus B7-H3 (C-Fc)**  
**Catalog #: PHV1989**



## Summary

<b>Name</b>	B7-H3/CD276
<b>Purity</b>	Greater than 95% as determined by reducing SDS-PAGE
<b>Endotoxin level</b>	<1 EU/μg as determined by LAL test.
<b>Construction</b>	Recombinant Cynomolgus CD276 Molecule is produced by our Mammalian expression system and the target gene encoding Leu29-Glu465 is expressed with a human IgG1 Fc tag at the C-terminus.
<b>Accession #</b>	XP_015308534
<b>Host</b>	Human Cells
<b>Species</b>	Cynomolgus
<b>Predicted Molecular Mass</b>	74 KDa
<b>Formulation</b>	Lyophilized from a 0.2 μm filtered solution of PBS, pH 7.4.
<b>Shipping</b>	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature listed below.
<b>Stability&amp;Storage</b>	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.
<b>Reconstitution</b>	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

**Product Name: Recombinant Cynomolgus B7-H3 (C-Fc)**  
**Catalog #: PHV1989**



---

**Alternative Names**

CD276 antigen; CD276; B7 homolog 3; B7-H3; CD276

**Background**

CD276, also known as B7-H3, is a member of the B7 superfamily with signature IgV and IgG regions in extracellular domains. It is a type I transmembrane protein and shares 20–27% amino acid identity with other B7 family members. B7-H3 is involved in the activation of T lymphocytes, and regulates murine bone formation. It is also reported that B7-H3 may play an important role in muscle-immune interactions, providing further evidence of the active role of muscle cells in local immunoregulatory processes. B7-H3 is expressed on T-cells, natural killer cells, and antigen presenting cells, as well as some non-immune cells, such as osteoblasts, fibroblasts, fibroblast-like synoviocytes and epithelial cells. High expression of B7-H3 in tumor vasculature also correlates with poor survival in patients, suggesting that it may play a role in tumor cell migration.

**Note**

For Research Use Only , Not for Diagnostic Use.