

Product Name: Recombinant Cynomolgus CD123 (C-6His)
Catalog #: PHV2290

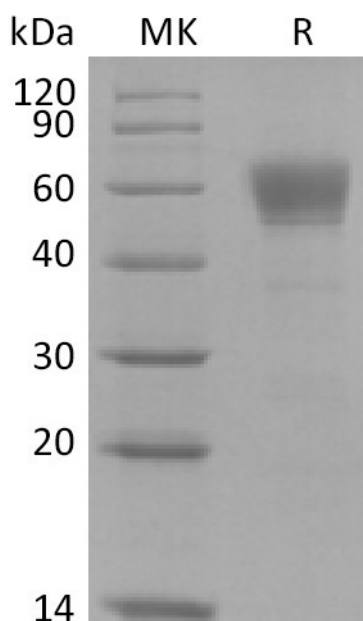


Summary

Name	CD123/IL-3RA/IL-3 Receptor Subunit Alpha
Purity	Greater than 95% as determined by reducing SDS-PAGE
Endotoxin level	<1 EU/μg as determined by LAL test.
Construction	Recombinant Cynomolgus Interleukin-3 Receptor Subunit Alpha is produced by our Mammalian expression system and the target gene encoding Arg18-Arg302 is expressed with a 6His tag at the C-terminus.
Accession #	G8F3K3
Host	Human Cells
Species	Cynomolgus
Predicted Molecular Mass	33.6 KDa
Formulation	Lyophilized from a 0.2 μm filtered solution of PBS, 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.

SDS-PAGE image

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Alternative Names

Interleukin-3 receptor subunit alpha; IL-3 receptor subunit alpha; IL-3R subunit alpha; IL-3R-alpha; IL-3RA

Background

CD123, also known as Interleukin-3 receptor subunit alpha, belongs to the type I cytokine receptor family. In mouse, there are two classes of high-affinity IL3 receptors. One contains an IL3-specific beta subunit and the other contains the beta subunit also shared by high-affinity IL5 and GM-CSF receptors. CD123 stimulates the proliferation and differentiation of hemopoietic cells including the pluripotent hematopoietic stem cells as well as various lineage-committed cells. CD123 is a heterodimer consisting of an alpha and a beta subunit. The alpha subunit alone binds IL-3 with low affinity. The beta subunit does not bind IL-3 by itself but is required for the high-affinity binding of IL-3 to the heterodimeric receptor complex.

Note

For Research Use Only , Not for Diagnostic Use.