

Recombinant Cynomolgus PVRIG Protein

Catalog No.: RP02609

Sequence Information

Species **Gene ID**
Cynomolgus 102127364

Swiss Prot **Tags**
A0A2K5WVV8-1 C-hFc

Synonyms

C7orf15; CD112R; MGC104322;
MGC138297; MGC2463; PVRIG;
ALS2CR18; ALS2CR9; LPD; PREL-
2; PREL2; RaIGDS/AF-6; RMO1

Product Information

Source **Purification**
HEK293 cells ≥ 95 % as
determined by
Tris-Bis PAGE; ≥
95 % as
determined by
HPLC.

Calculated MW Observed MW

40.3 kDa 50-60 kDa

Endotoxin

< 1 EU/μg of the protein by LAL
method.

Formulation

Reconstitution

Centrifuge the tube before
opening. Reconstitute to a
concentration of 0.1-0.5 mg/mL in
sterile distilled water. Avoid vortex
or vigorously pipetting the protein.
For long term storage, it is
recommended to add a carrier
protein or stabilizer (e.g. 0.1% BSA,
5% HSA, 10% FBS or 5%
Trehalose), and aliquot the
reconstituted protein solution to
minimize free-thaw cycles.

Background

PVRIG (poliovirus receptor related immunoglobulin domain-containing protein), also known as CD112 receptor (CD112R), is an approximately 34 kDa single transmembrane protein in the poliovirus receptor-like protein (PVR) family. PVRIG is a cell surface receptor for NECTIN2. May act as a coinhibitory receptor that suppresses T-cell receptor-mediated signals. Following interaction with NECTIN2, inhibits T-cell proliferation. Competes with CD226 for NECTIN2-binding.

Basic Information

Description

Recombinant Cynomolgus PVRIG Protein is expressed from Expi293 with hFc tag at the C-terminal.; It contains Thr41-Asp171 .

Activity

Shipping

Lyophilized proteins are shipped at ambient temperature.
Liquid proteins are shipped at frozen temperature with dry ice.
Upon receipt, store it immediately at the temperature recommended below.

Storage

Store at -20°C

Operational Notes

For your safety and health, please wear a lab coat and disposable gloves for handling.

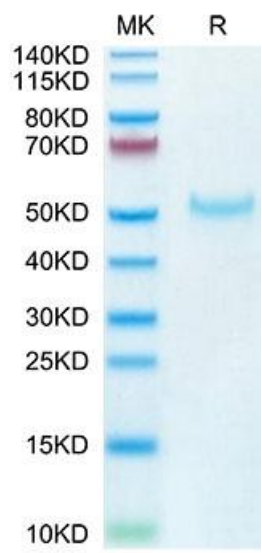
Contact

☎ | 400-999-6126

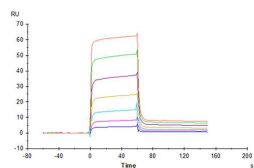
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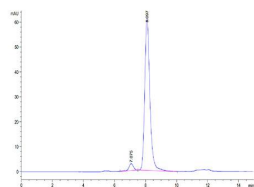
Validation Data



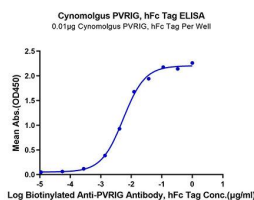
Recombinant Cynomolgus PVRIG Protein was determined by Tris-Bis PAGE under reducing conditions.



Cynomolgus PVRIG, hFc Tag captured on CM5 Chip via Protein A can bind Human Nectin-2, His Tag with an affinity constant of 0.23 μ M as determined in SPR assay (Biacore T200).



The purity of Cynomolgus PVRIG is greater than 95% as determined by SEC-HPLC.



Immobilized Cynomolgus PVRIG, hFc Tag at 0.1 μ g/ml (100 μ l/well) on the plate. Dose response curve for Biotinylated Anti-PVRIG Antibody, hFc Tag with the EC₅₀ of 5.4ng/ml determined by ELISA.