

Recombinant Human PVR/CD155 Protein

Catalog No.: RP00980 Recombinant

Sequence Information

Species Gene ID Swiss Prot Human 5817 P15151

Tags

C-hFc&His

Synonyms

CD155; HVED; NECL5; Necl-5; PVS; TAGE4;PVR;HVED;NECL5;Necl-5;PVS;TAG F4

Product Information

Source Purification HEK293 cells ≥ 95 % as

determined by SDS-

PAGE.

Calculated MW Observed MW

61.17 kDa 95-105 kDa

Endotoxin

< 0.1 EU/ μ g of the protein by LAL method.

Formulation

Lyophilized from a 0.22 µm filtered solution of PBS, pH 7.4.Contact us for customized product form or formulation.

Reconstitution

Centrifuge the vial 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 stablizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

Contact

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Background

This protein is a transmembrane glycoprotein belonging to the immunoglobulin superfamily. The external domain mediates cell attachment to the extracellular matrix molecule vitronectin, while its intracellular domain interacts with the dynein light chain Tctex-1/DYNLT1. The gene is specific to the primate lineage, and serves as a cellular receptor for poliovirus in the first step of poliovirus replication.

Basic Information

Description

Recombinant Human PVR/CD155 Protein is produced by HEK293 expression system. The target protein is expressed with sequence (Asp28-Asn343) of human CD155/PVR (Accession #NP 006496.4) fused with an Fc, 6×His tag at the C-terminus.

Bio-Activity

Measured by its binding ability in a functional ELISA. Immobilized Human CD155 at 2 μ g/mL (100 μ L/well) can bind Human CD96 with a linear range of 0.1-76 ng/mL.

Shipping

The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.

Storage

Store at -20°C. Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt.

After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.

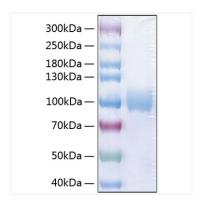
Avoid repeated freeze/thaw cycles.

Operational Notes

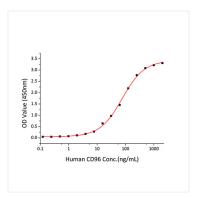
For your safety and health, please wear a lab coat and disposable gloves for handling.

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Validation Data



Recombinant Human PVR/CD155 Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.



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