

Recombinant Human CD155/PVR/NECL5 Protein (His Tag)

Catalog Number: PDMH100420

Note: Centrifuge before opening to ensure complete recovery of vial contents.

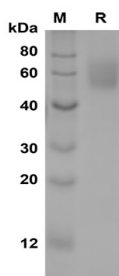
Description

Species	Human
Source	Mammalian-derived Human CD155 protein Met1-Asn343, with an C-terminal His
Calculated MW	37.6 kDa
Observed MW	50-70 kDa
Accession	P15151
Bio-activity	Not validated for activity

Properties

Purity	> 90% as determined by reducing SDS-PAGE.
Endotoxin	< 1.0 EU/mg of the protein as determined by the LAL method
Storage	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
Shipping	This product is provided as lyophilized powder which is shipped with ice packs.
Formulation	Lyophilized from a 0.2 µm filtered solution in PBS with 5% Trehalose and 5% Mannitol.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.5 mg/mL. Concentration is measured by UV-Vis.

Data



SDS-PAGE analysis of Human CD155/PVR/NECL5 proteins, 2 µg/lane of Recombinant Human CD155/PVR/NECL5 proteins was resolved with SDS-PAGE under reducing conditions, showing bands at 50-70 kDa.

Background

Poliovirus Receptor (PVR) is a 70 kDa type I transmembrane single-span glycoprotein that belongs to the nectin-like (Nect) family and was originally identified based on its ability to mediate the cell attachment and entry of poliovirus (PV), an etiologic agent of the central nervous system disease poliomyelitis. PVR contains three Ig-like extracellular domains, a transmembrane segment, and a cytoplasmic tail. The normal cellular function of PVR maybe the involvement of intercellular adhesion between epithelial cells. Alternate splicing of the PVR mRNA yields four different isoforms (α , β , γ , and δ) with identical extracellular domains.

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