

CD155/PVR Protein, Human, Recombinant (aa 21-343, His)

General Information

Synonyms:	Poliovirus Receptor;PVS;Nectin-Like Protein 5;NECL-5;CD155;PVR
Protein Construction:	Trp21-Asn343
Species:	Human
Expression Host:	HEK293 Cells
Accession:	A0A0C4DG49
Molecular Weight:	58 KDa (reducing condition)
AA Sequence:	Trp21-Asn343

QC Testing

Biological Activity:	Loaded Human TIGIT-Fc on Protein A Biosensor, can bind Human PVR-His with an affinity constant of 4.22 nM as determined in BLI assay. (Regularly tested)
Purity:	Greater than 95% as determined by reducing SDS-PAGE. (QC verified)
Endotoxin:	< 0.1 ng/μg (1 EU/μg) as determined by LAL test.
Formulation:	Supplied as a 0.2 μm filtered solution of 20 mM PB, 150 mM NaCl, pH 7.4.

Preparation and Storage

Stability & Storage:

Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

Shipping:

Proteins are shipped with blue ice.

Protein Background

Poliovirus Receptor (PVR) is a 70 kDa type I transmembrane single-span glycoprotein that belongs to the nectin-like (Necl) 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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Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481