

Recombinant Rhesus PVR protein, His-tagged

Cat. No. PVR-624C Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Rhesus PVR(Met 1-Asn 343) fused with His tag at C-terminal was expressed in HEK293.
Species	Rhesus macaque
Source	HEK293
ProteinLength	Met 1-Asn 343
Description	<p>CD155, commonly known as PVR (poliovirus receptor) and Necl-5 (nectin-like molecule-5), is a type I transmembrane single-span glycoprotein, and belongs to the nectins and nectin-like (Necl) subfamily. CD155 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. The normal cellular function is in the establishment of intercellular adherens junctions between epithelial cells. CD155 may assist in an efficient humoral immune response generated within the intestinal immune system. It has been demonstrated that CD155 can be recognized and bond by DNAM-1 and CD96 which promote the adhension, migration and NK-cell killing, and thus efficiently prime cell-mediated tumor-specific immunity.</p>
Predicted N Terminal	Asp 28
Form	Lyophilized from sterile PBS, pH 7.41. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Specific concentrations are included in the hardcopy of COA.2. Please contact us for any

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concerns or special requirements.

Bio-activity

Measured by its binding ability in a functional ELISA . Immobilized Rhesus CD155 at 2 µg/ml (100 µl/well) can bind human CD226 with a linear ranger of 1.28-32 ng/ml.

Molecular Mass

The recombinant rhesus PVR consists of 327 amino acids and has a calculated molecular mass of 35.8 kDa.

Endotoxin

< 1.0 EU per µg of the protein as determined by the LAL method

Purity

> 98 % as determined by SDS-PAGE

Stability

Samples are stable for up to twelve months from date of receipt at -70 centigrade

Storage

Store it under sterile conditions at -20 centigrade to -80 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

Reconstitution

A hardcopy of COA with reconstitution instruction is sent along with the products. Please refer to it for detailed information.

Shipping

In general, recombinant proteins are provided as lyophilized powder which are shipped at ambient temperature. Bulk packages of recombinant proteins are provided as frozen liquid. They are shipped out with blue ice unless customers require otherwise.

GENE INFORMATION

Gene Name

PVR poliovirus receptor [*Macaca mulatta*]

Official Symbol

PVR

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Synonyms	poliovirus receptor homolog; poliovirus receptor isoform alpha
Gene ID	712851
mRNA Refseq	NM_001043386
Protein Refseq	NP_001036851
MIM	
UniProt ID	
Chromosome Location	chromosome: 19
Pathway	Cell adhesion molecules (CAMs), organism-specific biosystem; Cell adhesion molecules (CAMs), conserved biosystem

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