

Active Recombinant Human PVR Protein, Fc & Avi-tagged, Biotinylated

Cat. No. PVR-653H Lot. No. (See product label)

SPECIFICATION

Product Overview Biotinylated Recombinant Human PVR Protein (Trp 21 - Asn 343) (AAH15542), fused with a human IgG1 Fc tag at the C-terminus, followed by a Avi tag, was expressed in HEK293.

Species Human

Source HEK293

ProteinLength Trp 21 - Asn 343

Predicted N Terminal Trp 21

Form Lyophilized from sterile 50 mM tris, 100 mM glycine, pH7.5, 10% trehalose.

Bio-activity Measured by its binding ability in a functional ELISA. Immobilized Human TIGIT, Fc Tag at 2µg/mL (100 µL/well) can bind Biotinylated Human CD155, Fc Tag with a linear range of 0.02-0.15 µg/mL. Immobilized Human DNAM-1, Fc Tag at 2µg/mL (100 µL/well) can bind Biotinylated Human CD155, Fc Tag with a linear range of 0.02-0.08 µg/mL.

Molecular Mass Recombinant Human PVR Protein has a calculated MW of 63.5 kDa. As a result of Glycosylation, The protein migrates as 75-100 kDa under reducing (R) condition and 140-180 kDa under non-reducing (NR) condition on SDS-PAGE gel.

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Endotoxin	Less than 1.0 EU per µg by the LAL method.
Purity	>95% as determined by SDS-PAGE.
Stability	Samples are stable for up to twelve months from date of receipt at -70°C.
Storage	Store it under sterile conditions at -20°C~-70°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.
Conjugation	Biotin

GENE INFORMATION

Gene Name	PVR poliovirus receptor [Homo sapiens]
Official Symbol	PVR
Synonyms	PVR; poliovirus receptor; PVS; CD155; HVED; Necl 5; NECL5; nectin like 5; Tage4; nectin-like 5; nectin-like protein 5; TAGE4; Necl-5; FLJ25946;
Gene ID	5817
mRNA Refseq	NM_001135768
Protein Refseq	NP_001129240
MIM	173850

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UniProt ID	P15151
Chromosome Location	19q13.2
Pathway	Adaptive Immune System, organism-specific biosystem; Adherens junctions interactions, organism-specific biosystem; Cell adhesion molecules (CAMs), organism-specific biosystem; Cell adhesion molecules (CAMs), conserved biosystem; Cell junction organization, organism-specific biosystem; Cell-Cell communication, organism-specific biosystem; Cell-cell junction organization, organism-specific biosystem;
Function	cell adhesion molecule binding; protein binding; receptor activity;

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