

Active Recombinant Human PVRL1, His-tagged

Cat. No. PVRL1-3136H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human PVRL1 (NP_002846.3) extracellular domain (Met 1-Thr 334), fused with a polyhistidine tag at the C-terminus, was produced in Human Cell.
Species	Human
Source	HEK293
ProteinLength	Met 1-Thr 334
Form	Lyophilized from sterile 50 mM Tris, pH 8.0. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
Bio-activity	<p>1. Measured by its binding ability in a functional ELISA. Immobilized PVRL3 at 1 µg/ml (100 µl/well) can bind biotinylated recombinant human PVRL1 / Nectin-1 with a linear range of 6.4-800 ng/ml.</p> <p>2. Immobilized Nectin 3 Protein, Human, Recombinant (ECD, hFc Tag) at 2 µg/ml (100 µl/well) can bind PVRL1/NECTIN1 Protein, Human, Recombinant (His Tag), the EC50 of PVRL1/NECTIN1 Protein, Human, Recombinant (His Tag) is 150-700 ng/mL.</p>
Molecular Mass	The recombinant human PVRL1 consists of 315 amino acids and predicts a molecular mass of 35.4 kDa. In SDS-PAGE under reducing conditions, the apparent molecular mass of rhPVRL1 is approximately 45-50 kDa due to glycosylation.
Endotoxin	< 1.0 EU per

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µg protein as determined by the LAL method.

Purity > 98 % as determined by SDS-PAGE

Storage Samples are stable for up to twelve months from date of receipt at -20°C to -80°C
Store it under sterile conditions at -20°C to -80°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.

GENE INFORMATION

Gene Name PVRL1 poliovirus receptor-related 1 (herpesvirus entry mediator C) [Homo sapiens]

Official Symbol PVRL1

Synonyms PVRL1; poliovirus receptor-related 1 (herpesvirus entry mediator C); ED4, HVEC; poliovirus receptor-related protein 1; CD111; CLPED1; HIgR; nectin; OFC7; PRR; PRR1; PVRR1; SK 12; nectin 1; poliovirus receptor-like 1; herpesvirus Ig-like receptor; herpes virus entry mediator C; ectodermal dysplasia 4 (Margarita Island type); ED4; HVEC; PVRR; SK-12; nectin-1; MGC16207; MGC142031;

Gene ID 5818

mRNA Refseq NM_002855

Protein Refseq NP_002846

MIM 600644

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UniProt ID

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