Active Recombinant Human PVRL3 protein, Fc-tagged

Cat. No. PVRL3-388H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human PVRL3 protein (Gly58-Asp400), fused to human IgG1 Fc tag at C-terminus, was expressed in human 293 cells (HEK293).
Species	Human
Source	HEK293
ProteinLength	343
Description	Poliovirus receptor-related 3 (PVRL3), also known as nectin-3 and CD113, is a human protein of the immunoglobulin superfamily which forms part of adherens junctions. Nectins are immunoglobulin-like adhesion molecules that interact with afadin (AF6; MIM 159559). Afadin is an actin filament-binding protein that connects nectins to the actin cytoskeleton. The nectin-afadin system organizes adherens junctions cooperatively with the cadherin system in epithelial cells. PVRL3 plays a role in cell-cell adhesion through heterophilic trans-interactions with nectin-like proteins or nectins, such as trans-interaction with PVRL2/nectin-2 at Sertoli-spermatid junctions. Furthermore, PVRL3 induces endocytosis-mediated down-regulation of PVR from the cell surface, resulting in reduction of cell movement and proliferation.
Form	Lyophilized from 0.22 um filtered solution in Tris with Glycine, Arginine and NaCl, pH7.5, 10% trehalose.
Molecular Mass	The protein has a calculated MW of 64.3 kDa. The protein migrates as 80-95 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.

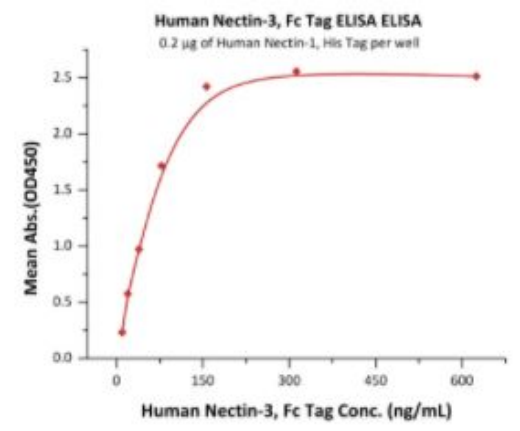
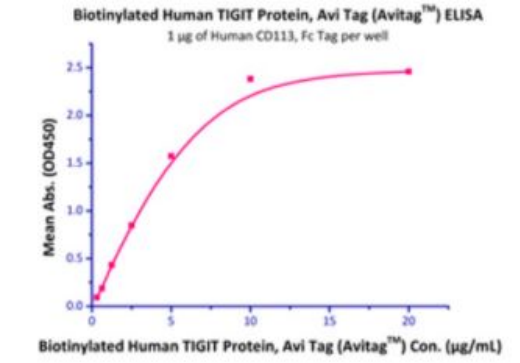
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Endotoxin	Less than 1.0 EU per ug by the LAL method.
Purity	>95% as determined by SDS-PAGE.
Storage	For long term storage, the product should be stored at lyophilized state at -20 centigrade or lower. Please avoid repeated freeze-thaw cycles. This product is stable after storage at: -20 centigrade to -70 centigrade for 12 months in lyophilized state; -70 centigrade for 3 months under sterile conditions after reconstitution.
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℃ before opening to recover the entire contents.

GENE INFORMATION

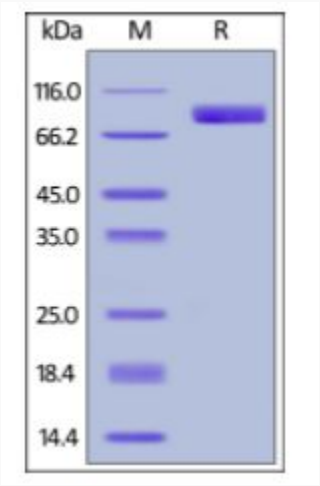
Gene Name	PVRL3
Official Symbol	PVRL3
Synonyms	PVRL3; poliovirus receptor-related 3; poliovirus receptor-related protein 3; CD113; CDw113; DKFZP566B0846; nectin 3; PPR3; PVRR3; PRR3; CDW113; NECTIN-3; FLJ90624; DKFZp566B0846
Gene ID	25945
mRNA Refseq	NM_001243286
Protein Refseq	NP_001230215
MIM	607147

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UniProt ID	Q9NQS3
Bioactivity-ELISA of PVRL3-388H	 Immobilized Human Nectin-1, His Tag at 2 μg/mL (100 μL/well) can bind Human Nectin-3, Fc Tag with a linear range of 5-78 ng/mL (QC tested).
Bioactivity-ELISA of PVRL3-388H	 Immobilized Human CD113, Fc Tag at 10 μg/mL (100 μL/well) can bind Biotinylated Human TIGIT, His Tag with a linear range of 0.3-5 μg/mL (Routinely tested).

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SDS-PAGE of PVRL3-388H



Human Nectin-3, Fc Tag on SDS-PAGE under reducing (R) condition. The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 95%.

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