

Active Recombinant Human PVRL2 Protein, Fc-Avi-tagged, Biotinylated

Cat. No. PVRL2-611H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Biotinylated Human Nectin-2, Fc Tag is expressed from HEK293 cells. It contains AA Gln 32 - Leu 360 (Accession # Q92692-2). This protein carries a human IgG1 Fc tag at the C-terminus, followed by a Avi tag.
Species	Human
Source	HEK293
ProteinLength	32-360 a.a.
Predicted N Terminal	Gln 32
Form	Lyophilized from 0.22 um filtered solution in 50 mM Tris, 100 mM Glycine, pH7.5, 10% trehalose.
Bio-activity	Immobilized Human TIGIT, Fc Tag at 10 ug/mL (100 uL/well) can bind Biotinylated Human Nectin-2, Fc Tag with a linear range of 0.313-10 ug/mL. Immobilized Human DNAM-1, Fc Tag at 10 ug/mL (100 uL/well) can bind Biotinylated Human Nectin-2, Fc Tag with a linear range of 0.156-5 ug/mL.
Molecular Mass	The protein has a calculated MW of 64.0 kDa. As a result of glycosylation, the protein migrates as 66 kDa under reducing condition, and 130 kDa under non-reducing condition (SDS-PAGE).

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Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.
Purity	>95% as determined by SDS-PAGE.
Characteristic	Biotinylation of this product is performed using Avitag technology. Briefly, the single lysine residue in the Avitag is enzymatically labeled with biotin. The biotin to protein ratio is 0.5-1 as determined by the HABA assay.
Stability	Samples are stable for up to twelve months from date of receipt at -70°C.
Storage	For long term storage, the product should be stored at lyophilized state at -20°C or lower. Please avoid repeated freeze-thaw cycles. No activity loss is observed after storage at: 4-8°C for 12 months in lyophilized state; -70°C 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°C before opening to recover the entire contents.
Conjugation	Biotin

GENE INFORMATION

Gene Name	PVRL2 poliovirus receptor-related 2 (herpesvirus entry mediator B) [Homo sapiens]
Official Symbol	PVRL2
Synonyms	PVRL2; poliovirus receptor-related 2 (herpesvirus entry mediator B); HVEB; poliovirus receptor-related protein 2; CD112; PRR2; PVRR2; nectin-2; poliovirus receptor-like 2; herpesvirus entry protein B;
Gene ID	5819

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mRNA Refseq	NM_001042724
Protein Refseq	NP_001036189
MIM	600798
UniProt ID	Q92692

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