

Active Recombinant Human NECTIN2 Protein, His-tagged

Cat. No. NECTIN2-3749H, 1.jpg **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human Nectin-2, His Tag is expressed from human 293 cells (HEK293). It contains AA Gln 32 - Leu 360 (Accession # Q92692-2). This protein carries a polyhistidine tag at the C-terminus. Predicted N-terminus: Gln 32
Species	Human
Source	HEK293
ProteinLength	32-360 aa
Description	Poliovirus receptor-related 2 (PVRL2) is also known as nectin-2 and CD112 (formerly herpesvirus entry mediator B, HVEB), which is a human plasma membrane glycoprotein. PVRL2 is one of the plasma membrane components of adherens junctions. PVRL2 also serves as an entry for certain mutant strains of herpes simplex virus and pseudorabies virus, and it is involved in cell to cell spreading of these viruses. Variations in PVRL2 gene have been associated with differences in the severity of multiple sclerosis. Also, PVRL2 binds with low affinity to TIGIT. Furthermore, PVRL2 acts as a receptor for herpes simplex virus 1 (HHV-1) mutant Rid1, herpes simplex virus 1 (HHV-2) and pseudorabies virus (PRV).
Form	Lyophilized from 0.22 µm filtered solution in PBS, pH7.4 with trehalose as protectant.
Bio-activity	Immobilized Human PVRL2, Mouse IgG2a Fc Tag, low endotoxin at 2 µg/mL (100 µL/well) can bind Human Nectin-2, His Tag with a linear range of 0.078-5 µg/mL.

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Molecular Mass	The protein has a calculated MW of 37.4 kDa. The protein migrates as 45-55 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.
Endotoxin	Less than 0.01 EU/μg by the LAL method/rFC method.
Purity	>95% as determined by SDS-PAGE. >95% as determined by SEC-MALS.
Storage	This product is stable after storage at: -20 to -70 centigrade for 12 months in lyophilized state; -70 centigrade for 3 months under sterile conditions after reconstitution. For long term storage, the product should be stored at lyophilized state at -20 centigrade or lower. Please 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 μg/μL. Centrifuge the vial at 4 centigrade before opening to recover the entire contents.

GENE INFORMATION

Gene Name	NECTIN2 nectin cell adhesion molecule 2 [Homo sapiens (human)]
Official Symbol	NECTIN2
Synonyms	NECTIN2; nectin cell adhesion molecule 2; HVEB; PRR2; CD112; PVRL2; PVRR2; nectin-2; herpesvirus entry protein B; poliovirus receptor-like 2; poliovirus receptor-related 2 (herpesvirus entry mediator B)
Gene ID	5819
mRNA Refseq	NM_002856
Protein Refseq	NP_002847

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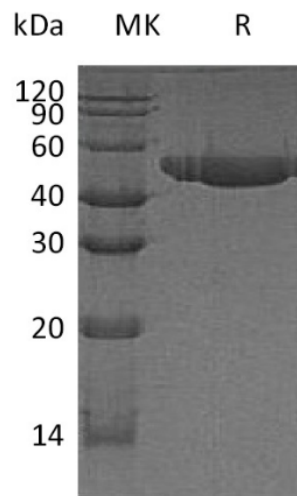
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MIM 600798

UniProt ID Q92692

SDS-PAGE.



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