

Recombinant Human NECTIN3 protein, Fc & Avi-tagged, Biotinylated

Cat. No. NECTIN3-0633H Lot. No. (See product label)

SPECIFICATION

Product Overview	Biotinylated Human Nectin-3, Fc Tag is expressed from human 293 cells (HEK293). It contains AA Gly 58 - Asp 400 (Accession # Q9NQS3-1). 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.
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Species	Human
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Source	HEK293
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ProteinLength	Gly 58 - Asp 400
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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.
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Predicted N Terminal	Leu 56 & Gly 58
Form	Lyophilized from 0.22 µm filtered solution in 50 mM tris, 100 mM glycine, pH7.5, 10% trehalose.
Molecular Mass	The protein has a calculated MW of 66.1 kDa. The protein migrates as 90-95 kDa and 100-115 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.
Endotoxin	Less than 1.0 EU per µg 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°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.
Shipping	Powder,RT
Conjugation	Biotin

GENE INFORMATION

Gene Name	NECTIN3 nectin cell adhesion molecule 3 [Homo sapiens (human)]
Official Symbol	NECTIN3
Synonyms	PPR3; PRR3; CD113; PVRL3; PVRR3; CDW113; NECTIN-3; nectin 3; poliovirus

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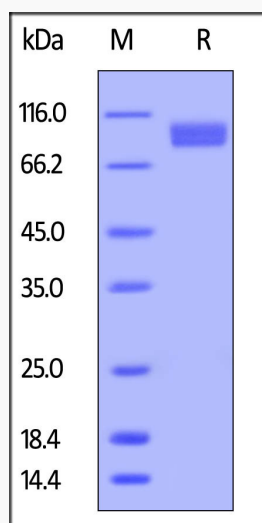
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receptor-related 3; poliovirus receptor-related protein 3; nectin-3

Gene ID	25945
mRNA Refseq	NM_001243286.1
Protein Refseq	NP_001230215.1
UniProt ID	Q9NQS3

SDS-PAGE



Biotinylated 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%.