

Active Recombinant Human NECTIN3 Protein, Fc-tagged

Cat. No. NECTIN3-0634H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human Nectin-3, Fc Tag is expressed from human 293 cells (HEK293). It contains AA Gly 58 - Asp 400 (Accession # Q9NQS3). This protein carries a human IgG1 Fc tag at the C-terminus. Predicted N-terminus: Gly 58
Species	Human
Source	HEK293
ProteinLength	58-400 aa
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 µm filtered solution in Tris with Glycine, Arginine and NaCl, pH7.5 with trehalose as protectant.
Bio-activity	Immobilized Human Nectin-1, His Tag at 2

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	µg/mL (100 µL/well) can bind Human Nectin-3, Fc Tag with a linear range of 5-78 ng/mL.
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.
Endotoxin	Less than 1.0 EU/µg by the LAL method/rFC method.
Purity	>95% as determined by SDS-PAGE.
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	NECTIN3 nectin cell adhesion molecule 3 [Homo sapiens (human)]
Official Symbol	Nectin3
Synonyms	NECTIN3; nectin cell adhesion molecule 3; PPR3; PRR3; CD113; PVRL3; PVRR3; CDW113; NECTIN-3; nectin-3; nectin 3; poliovirus receptor-related 3; poliovirus receptor-related protein 3
Gene ID	25945

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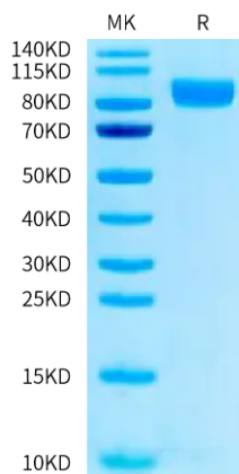
mRNA Refseq NM_015480

Protein Refseq NP_056295

MIM 607147

UniProt ID Q9NQS3

SDS-PAGE.



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