

Active Recombinant Human NECTIN2 Protein, His-tagged

Cat. No. NECTIN3-11125H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human Nectin-3, His Tag is expressed from human 293 cells (HEK293). It contains AA Gly 58 - Asp 400 (Accession # Q9NQS3). This protein carries a polyhistidine 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 PBS, pH7.4 with trehalose as protectant.
Bio-activity	Immobilized Human Nectin-3, His Tag at 2 µg/mL (100 µL/well) can bind Human PVRL1, Fc Tag with a linear range of 1-20 ng/mL.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Molecular Mass	The protein has a calculated MW of 39.6 kDa. The protein migrates as 55-80 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
mRNA Refseq	NM_015480
Protein Refseq	NP_056295

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

MIM	607147
-----	--------

UniProt ID	Q9NQS3
------------	--------

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA