

ARG70312 Human Nectin 1 recombinant protein (Fc-His-tagged, C-ter)

Package: 100 µg
Store at: -20°C

Summary

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| Product Description | HEK293 expressed, Fc-His-tagged (C-ter) Human Nectin 1 recombinant protein. |
| Tested Reactivity | Hu |
| Tested Application | Binding, SDS-PAGE |
| Target Name | Nectin 1 |
| Species | Human |
| A.A. Sequence | Met1 - Thr334 of Human Nectin 1 (NP_002846.3) with an Fc - 6X His tag at the C - terminus. |
| Expression System | HEK293 |
| Alternate Names | HveC; nectin-1; PVRR1; PVRR; HV1S; Nectin-1; PRR1; HIgR; SK-12; CD111; CD antigen CD111; Herpesvirus Ig-like receptor; CLPED1; OFC7; ED4; PRR; Herpes virus entry mediator C; Herpesvirus entry mediator C; Poliovirus receptor-related protein 1; HVEC |

Application Instructions

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| Application Note | Binding activity test: Measured by its binding ability in a functional ELISA. Immobilized Recombinant Human Nectin-3 at 2 µg/ml (100 µl/well) can bind Recombinant human Nectin-1 with a linear range of 30-122 ng/ml. |
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Properties

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| Form | Powder |
| Purification Note | 0.22 µm filter sterilized. Endotoxin level is 95% (by SDS-PAGE) |
| Buffer | PBS (pH 7.4) |
| Reconstitution | Reconstitute to a concentration of 0.1 - 0.5 mg/ml in sterile distilled water. |
| Storage instruction | For long term, lyophilized protein should be stored at -20°C or -80°C. After reconstitution, aliquot and store at -20°C for up to one month, at 2-8°C for up to one week. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. |
| Note | For laboratory research only, not for drug, diagnostic or other use. |

Bioinformation

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| Gene Symbol | PVRL1 |
| Gene Full Name | poliovirus receptor-related 1 (herpesvirus entry mediator C) |
| Background | This gene encodes an adhesion protein that plays a role in the organization of adherens junctions and tight junctions in epithelial and endothelial cells. The protein is a calcium(2+)-independent cell-cell adhesion molecule that belongs to the immunoglobulin superfamily and has 3 extracellular immunoglobulin-like loops, a single transmembrane domain (in some isoforms), and a cytoplasmic region. This protein acts as a receptor for glycoprotein D (gD) of herpes simplex viruses 1 and 2 (HSV-1, HSV-2), and pseudorabies virus (PRV) and mediates viral entry into epithelial and neuronal cells. |

Mutations in this gene cause cleft lip and palate/ectodermal dysplasia 1 syndrome (CLPED1) as well as non-syndromic cleft lip with or without cleft palate (CL/P). Alternative splicing results in multiple transcript variants encoding proteins with distinct C-termini. [provided by RefSeq, Oct 2009]

Function

Promotes cell-cell contacts by forming homophilic or heterophilic trans-dimers. Heterophilic interactions have been detected between NECTIN1 and NECTIN3 and between NECTIN1 and NECTIN4. Has some neurite outgrowth-promoting activity.

(Microbial infection) Acts as a receptor for herpes simplex virus 1/HHV-1, herpes simplex virus 2/HHV-2, and pseudorabies virus/PRV. [UniProt]

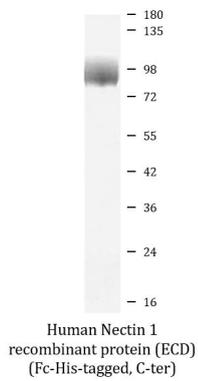
Calculated Mw

57 kDa

Cellular Localization

Isoform Alpha: Cell membrane; Single-pass type I membrane protein. Cell junction, synapse, presynaptic cell membrane. Isoform Delta: Cell membrane; Single-pass type I membrane protein. Isoform Gamma: Secreted. [UniProt]

Images



ARG70312 Human Nectin 1 recombinant protein (ECD) (Fc-His-tagged, C-ter) SDS-PAGE image

SDS-PAGE analysis of ARG70312 Human Nectin 1 recombinant protein (ECD) (Fc-His-tagged, C-ter).