

ARG70298 Human PVRL3 recombinant protein (Fc-His-tagged, C-ter)

Package: 100 µg
Store at: -20°C

Summary

Product Description	HEK293 expressed, Fc-His-tagged (C-ter) Human PVRL3 recombinant protein.
Tested Reactivity	Hu
Tested Application	Binding, SDS-PAGE
Target Name	PVRL3
Species	Human
A.A. Sequence	Gly58 - Asp400 of Human PVRL3 (NP_056295) with an Fc - 6X His tag at the C - terminus.
Expression System	HEK293
Alternate Names	PVRR3; PPR3; CDW113; PRR3; Nectin-3; CDw113; CD113; NECTIN-3; Poliovirus receptor-related protein 3; CD antigen CD113

Application Instructions

Application Note	Binding activity test: Measured by its binding ability in a functional ELISA. Immobilized Recombinant Human Nectin-1 at 3µg/ml (100 µl/well) can bind Recombinant Human Nectin-3 with a linear range of 180-720 ng/ml.
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Properties

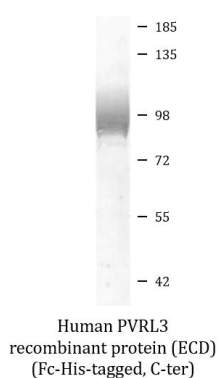
Form	Powder
Purification Note	0.22 µm filter sterilized. Endotoxin level is 97% (by SDS-PAGE)
Buffer	PBS (pH 7.4)
Reconstitution	Reconstitute to a concentration of 0.1 - 0.5 mg/ml in sterile distilled water.
Storage instruction	For long term, lyophilized protein should be stored at -20°C or -80°C. After 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

Gene Symbol	PVRL3
Gene Full Name	poliovirus receptor-related 3
Background	This gene encodes a member of the nectin family of proteins, which function as adhesion molecules at adherens junctions. This family member interacts with other nectin-like proteins and with afadin, a filamentous actin-binding protein involved in the regulation of directional motility, cell proliferation and survival. This gene plays a role in ocular development involving the ciliary body. Mutations in this gene are believed to result in congenital ocular defects. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Aug 2011]

Function	Plays a role in cell-cell adhesion through heterophilic trans-interactions with nectin-like proteins or nectins, such as trans-interaction with NECTIN2 at Sertoli-spermatid junctions. Trans-interaction with PVR induces activation of CDC42 and RAC small G proteins through common signaling molecules such as SRC and RAP1. Also involved in the formation of cell-cell junctions, including adherens junctions and synapses. Induces endocytosis-mediated down-regulation of PVR from the cell surface, resulting in reduction of cell movement and proliferation. Plays a role in the morphology of the ciliary body. [UniProt]
Calculated Mw	61 kDa
Cellular Localization	Cell membrane; Single-pass membrane protein. Cell junction, synapse, postsynaptic cell membrane. [UniProt]

Images



ARG70298 Human PVRL3 recombinant protein (ECD) (Fc-His-tagged, C-ter) SDS-PAGE image

SDS-PAGE analysis of ARG70298 Human PVRL3 recombinant protein (ECD) (Fc-His-tagged, C-ter).