

Nectin-1, 31-355aa, Human, His tag, Insect cell

Cat.NO.: TP03137

3th Edition

Synonyms:PVRL1, CD111, CLPED1, ED4, HIgR, HVIS, HVEC, Nectin-1, OFC7, PRR, PRR1, PVRR, PVRR1, SK-12

Description:Nectin-1, also known as PVRL1, is a poliovirus receptor- related 1 protein which belongs to the nectin family. This protein promotes cell-cell contacts by forming homophilic or heterophilic trans-dimers. Heterophilic interactions have been detected between PVRL1/nectin-1 and PVRL3/nectin-3 and between PVRL1/nectin-1 and PVRL4/nectin-4. It is functions as an entry receptor for herpes simplex virus and pseudorabies virus. Also, PVRL1 has some neurite outgrowth-promoting activity. Recombinant human PVRL1, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

Form:Liquid. In Phosphate Buffered Saline (pH 7.4) containing 10% glycerol.

Molecular Weight:37.3kDa (334aa), 40-57KDa (SDS-PAGE under reducing conditions.)

Sequences:

ADPQVVQVNDMSMYGFIGTDVVLHCSFANPLPSVKITQVTWQKSTNGSKQNVAIYNPSMGVSVLAPYRERVEFLRPS
FTDGTIRLSRLELEDEGVYICEFATFPTGNRESQLNLTVMKPTNWIEGTQAVLRAKKGQDDKVLVATCTSANGKPP
SVVSWETRLKGEAEYQEIRNPNGTIVTISRRLVPSREAHQQSLACIVNYHMDRFKESLTLNVQYEPEVTIEGFDG
NWYLQRMDVKLTCKADANPPATEYHWTTLNGSLPKGVEAQNRTLFFKGPINYSLAGTYICEATNPIGTRSGQVEVN
ITEFPYTPSPPEHGRRAGPVPTAHHHHHH

Purity:> 95% by HPLC

Concentration:1.0mg/ml (determined by Absorbance at 280nm)

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.