Recombinant human Nectin-1 protein

Catalog Number: ATGP3283

PRODUCT INFORMATION

Expression system
Baculovirus

Domain
31-355aa

UniProt No.
Q15223

NCBI Accession No.
NP_002846

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

PRODUCT SPECIFICATION

Molecular Weight
37.3 kDa (334aa)

Concentration
1mg/ml (determined by absorbance at 280nm)

Formulation
Liquid in. Phosphate-Buffered Saline (pH 7.4) containing 10% glycerol

Purity
> 95% by SDS-PAGE

Endotoxin level
< 1 EU per 1ug of protein (determined by LAL method)

Tag
His-Tag

Application
SDS-PAGE

Storage Condition
Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

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.

Amino acid Sequence

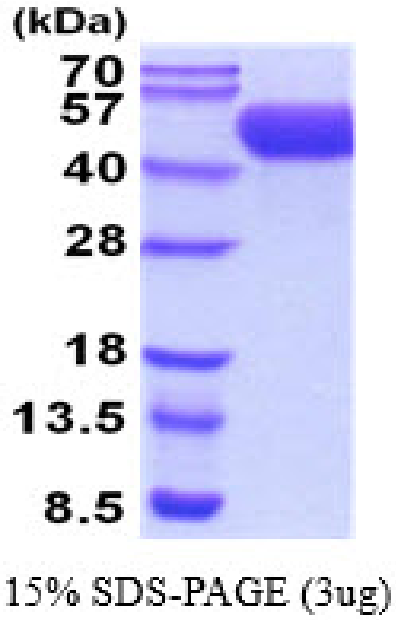
ADPQVVQVND SMYGFIGTDV VLHCSFANPL PSVKITQVTW QKSTNGSKQN VAIYNPSMGV SVLAPYRERV EFLRPSFTDG TIRLSRLELE DEGVYICEFA TFPTGNRESQ LNLTVMAKPT NWIEGTQAVL RAKKGQDDKV LVATCTSANG KPPSVVSWET RLKGEAEYQE IRNPNGTVTV ISRYRLVPSR EAHQQSLACI VNYHMDRFKE SLTLNVQYEP EVTIEGFDGN WYLQRMDVKL TCKADANPPA TEYHWTTLNG SLPKGVEAQN RTLFFKGPIN YSLAGTYICE ATNPIGTRSG QVEVNITEFP YTPSPPEHGR RAGPVPTAHH HHHH

General References

Bojesen KB., et al. (2012) J. Biol. Chem. 287(44):37420-37433.
Cheng HQ., et al. (2012) DNA Cell Biol. 31(7):1321-1327.

DATA

SDS-PAGE



15% SDS-PAGE (3ug)

3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.