

## Nectin-4/PVRL4 Recombinant Protein | PVRL4 recombinant protein

Recombinant Human Nectin-4/PVRL4 Protein (C-6His)

|                               |                            |
|-------------------------------|----------------------------|
| CATALOG #<br><b>AAA174025</b> | HOST<br><b>Human Cells</b> |
|-------------------------------|----------------------------|

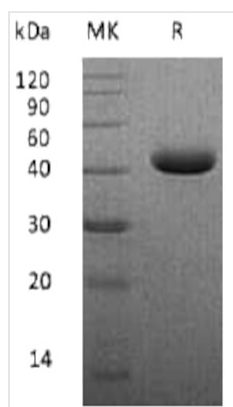
### PRODUCT SYNONYMS

Nectin-4/PVRL4; Recombinant Human Nectin-4/PVRL4 Protein (C-6His); PVRL4; Nectin-4; Ig superfamily receptor LNIR; Poliovirus receptor-related protein 4; PRR4; LNIR; PVRL4 recombinant protein

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                                                                                              |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                    | Human Cells                                                                                                                                                                                                                                                  |
| Purity/Purification     | >95% as determined by reducing SDS-PAGE.                                                                                                                                                                                                                     |
| Form/Format             | Lyophilized from a 0.2 um filtered solution of 20mM PB, 150mM NaCl, pH 7.4.                                                                                                                                                                                  |
| Sequence Positions      | Gly31-Val351                                                                                                                                                                                                                                                 |
| Sequence Length         | 510                                                                                                                                                                                                                                                          |
| Species                 | Human                                                                                                                                                                                                                                                        |
| Endotoxin               | <1.0 EU per ug as determined by LAL test method.                                                                                                                                                                                                             |
| Tag                     | C-6His                                                                                                                                                                                                                                                       |
| Biological Activity     | Immunobulized Anti-Human Nectin-4 mAb-mFc at 2ug/mL (100 ul/well) can bind Human Nectin-4-His. The ED50 of Human Nectin-4-His is 16.29 ng/mL                                                                                                                 |
| Reconstitution          | We recommend that the vial be centrifuged to opening to bring the contents to the bottom. Do not mix by vortex. It is recommended that the sterile water be added to the vial to prepare a stock solution of 0.25mg/mL. Concentration is measured by UV-Vis. |
| Preparation and Storage | Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.                    |

### IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

|                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|-----------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for PVRL4 recombinant protein | Nectin-4 (PVRL4) is a type I transmembrane glycoprotein which belongs to the nectin family of Ig superfamily proteins. It contains two Ig-like C2-type domains and one Ig-like V-type domain. PVRL4 seems to be involved in cell adhesion through trans-homophilic and -heterophilic interactions, the latter including specifically interactions with nectin-1. It does not act as receptor for alpha-herpesvirus entry into cells. It is predominantly expressed in placenta, the embryo and breast carcinoma. But it is not detected in normal breast epithelium. The soluble form is produced by proteolytic cleavage at the cell surface (shedding), probably by ADAM17. Mutations in this gene are the cause of ectodermal dysplasia-syndactyly syndrome type 1, an autosomal recessive disorder. |
|-----------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

NCBI AND UNIPROT INFORMATION

|                                  |                                                                      |
|----------------------------------|----------------------------------------------------------------------|
| NCBI GI #                        | 222136611                                                            |
| NCBI GeneID                      | 81607                                                                |
| NCBI Accession #                 | NP_112178.2                                                          |
| NCBI GenBank Nucleotide #        | NM_030916.2                                                          |
| UniProt Accession #              | Q96NY8; Q96K15; B4DQW3                                               |
| Molecular Weight                 | Molecular Mass: 35.3 kDa<br>Actual Protein Molecular Mass: 40-47 kDa |
| NCBI Official Full Name          | nectin-4                                                             |
| NCBI Official Synonym Full Names | nectin cell adhesion molecule 4                                      |
| NCBI Official Symbol             | NECTIN4                                                              |
| NCBI Official Synonym Symbols    | LNIR; PRR4; EDSS1; PVRL4; nectin-4                                   |
| NCBI Protein Information         | nectin-4                                                             |
| UniProt Protein Name             | Nectin-4                                                             |
| UniProt Gene Name                | NECTIN4                                                              |
| UniProt Synonym Gene Names       | LNIR; PRR4; PVRL4                                                    |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.