

Human CellExp™ CD111 / Nectin-1 / PVRL1, human recombinant

CATALOG #: 7379-10 10 µg
7379-50 50 µg

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

SOURCE: HEK 293 cells (Gln 31 – Thr 334)

PURITY: ≥ 95% by SDS-PAGE gel

MOL. WEIGHT: This protein is fused with 6×His tag at the C-terminus, has a calculated MW of 34.8 kDa. The predicted N-terminus is Gln 31. DTT-reduced Protein migrates as 45-60 kDa due to glycosylation.

ENDOTOXIN LEVEL: <1 EU/µg by LAL method

FORM: Lyophilized

FORMULATION: Lyophilized from 0.22 µm filtered solution in PBS, pH7.4. Generally 5-8% Mannitol or trehalose is added as a protectant before lyophilization.

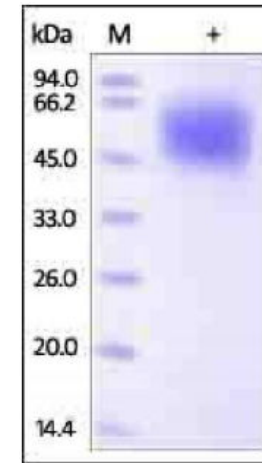
STORAGE CONDITIONS: Store at -20°C. After reconstitution, aliquot and store at -20°C and use within 3 months. Avoid repeated freezing and thawing cycles.

RECONSTITUTION: Centrifuge the vial prior to opening. Reconstitute in sterile PBS, pH 7.4 to a concentration of 50 µg/ml. Do not vortex. This solution can be stored at 2-8°C for up to 1 month. For extended storage, it is recommended to store at -20°C.

DESCRIPTION: Poliovirus receptor-related protein 1 (PVRL1) is also known as Herpes virus entry mediator C (HveC), Herpesvirus Ig-like receptor (HIgR), Nectin-1, CD antigen CD111, PVRL1 / Nectin-1 / CD111 belongs to the nectin family. PVRL1 / Nectin-1 is a membrane protein with three extracellular immunoglobulin domains, a single transmembrane helix and a cytoplasmic tail. The protein can mediate Ca²⁺-independent cellular adhesion further characterizing it as IgSF cell adhesion molecule (IgSF CAM). PVRL1 is adhesion molecule found in a wide range of tissues. PVRL1 / Nectin-1 promote 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.

BIOLOGICAL ACTIVITY: Measured by its binding ability in a functional ELISA. Immobilized recombinant human Nectin-3 /PVRL3 at 1 µg/ml (100 µl/well) can bind biotinylated recombinant human PVRL1 / Nectin-1 with a linear range of 6.25-1000 ng/ml.



Human recombinant CD111/Nectin-1/PVRL1

RELATED PRODUCTS:

- Human CellExp™ CD223, human recombinant (Cat. No. 7278-10, -50)
- Human CellExp™ CD71, human recombinant (Cat. No. 7279-10, -50)
- Human CellExp™ CD273, human recombinant (Cat. No. 7369-10, -50)
- Human CellExp™ CD33, human recombinant (Cat. No. 7370-10, -50)
- Human CellExp™ CD36, human recombinant (Cat. No. 7371-10, -50)
- Human CellExp™ CD87, human recombinant (Cat. No. 7372-20, -100)
- Human CellExp™ CD360, human recombinant (Cat. No. 7373-20, -100)
- Human CellExp™ CD244, human recombinant (Cat. No. 7374-10, -50)

FOR RESEARCH USE ONLY! Not to be used in humans.