

Human CellExp™ CD155, human recombinant

CATALOG #: 7462-10 10 µg
7462-50 50 µg

ALTERNATE NAMES: PVR, FLJ25946, PVS, CD155, TAGE4, HVED, NECL5, cluster of differentiation 155.

SOURCE: HEK 293 cells (Trp 21 – Asn 343)

PURITY: ≥ 95% by SDS-PAGE gel

MOL. WEIGHT: This protein is fused with a C-terminal 6xhis tag and has a calculated MW of 28 kDa. The predicted N-terminus is Trp21. DTT-reduced protein migrates as 50-65 kDa polypeptide in SDS-PAGE resulting from glycosylation.

ENDOTOXIN LEVEL: <1 EU/µg by LAL method

FORM: Lyophilized

FORMULATION: Lyophilized from 0.22 µm filtered solution in PBS, pH 7.4. Normally Mannitol or Trehalose is added as protectants before lyophilization.

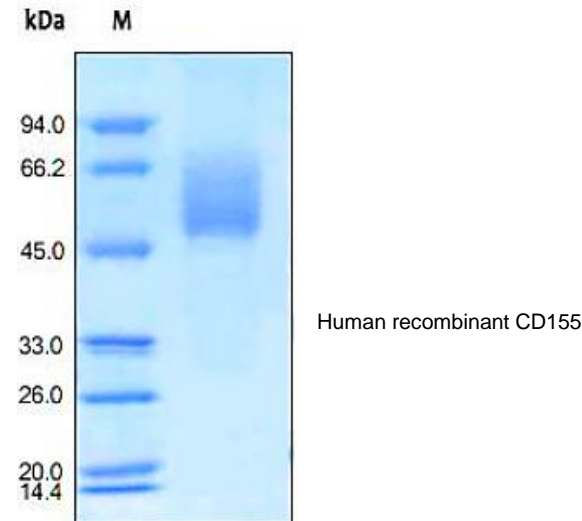
STORAGE CONDITIONS: Store at -20°C. After reconstitution, aliquot and store at -20°C and use within 3 months. Avoid repeated freezing and thawing cycles.

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: CD155 is a Type I transmembrane glycoprotein in the immunoglobulin superfamily. Commonly known as Poliovirus Receptor (PVR) due to its involvement in the cellular poliovirus infection in primates, CD155's normal cellular function is in the establishment of intercellular adherens junctions between epithelial cells. CD155/PVR was originally isolated based on its ability to mediate polio virus attachment to host cells. The full length (or CD155 alpha isoform) is synthesized as a 417 amino acid (aa) precursor that contains a 20 aa signal sequence, a 323 aa extracellular region, a 24 aa TM segment and a 50 aa cytoplasmic tail. The extracellular region contains one N terminal V type and two C2 type Ig like domains. It has 3 extracellular immunoglobulin-like

domains, D1-D3, where D1 is recognized by the virus. Low resolution structures of CD155 complexed with poliovirus have been obtained using electron microscopy[1] while a high resolution structures of the ectodomain D1 and D2 of CD155 were solved by x-ray crystallography.

BIOLOGICAL ACTIVITY: Measured by its ability to bind with recombinant human DNAM1 / CD226 in a functional ELISA assay



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™ 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)
- Human CellExp™ CD304, human recombinant (Cat. No. 7375-10)

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