

Recombinant Human PVR Protein, C-His-tagged

Cat. No. PVR-123H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human PVR Protein with C-His tag was expressed in E. coli.
Species	Human
Source	E.coli
Description	Poliovirus receptor (PVR, CD155) is an immunoglobulin-like, transmembrane glycoprotein originally described as a mediator of poliovirus attachment to cells and later identified as important in adherens junction formation. Also known as nectin-like 5 (Nect-5), PVR binds nectin-3 and interacts with integrin $\alpha\beta 3$ and PDGFR to regulate integrin clustering and focal contact formation at the leading edge of migrating cells. Research studies demonstrate that PVR and nectin-3 regulate contact inhibition during cell motility and proliferation in transformed 3T3 cells. Additional research indicates that PVR (CD155, Nect-5) expression may play a role in invasiveness of lung adenocarcinoma. In the immune system, CD155 plays a role in natural killer (NK) cell-mediated cytotoxicity.
Molecular Mass	~36 kDa
AA Sequence	WPPPGTGDVVVQAPTQVPGFLGDSVTLPCYLQVPNMEVTHVSQLTWARHGESGS MAVFHQQTQGPSYSESKRLEFVAARLGAELRNASLRMFGLRVEDEGNYTCLFVTFPQ GSRSDIWLRLAKPQNTAEVQKVQLTGEPVPMARCVSTGGRPPAQITWHS DLGG MPNTSQVPGFLSGT V T V T S L W I L V P S S Q V D G K N V T C K V E H E S F E K P Q L L T V N L T V Y Y PPEVSISGYDNNWYLGQNEATLTCDARSNPEPTGYNWSTTMGPLPPFAVAQGAQL

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	LIRPVDPKPIINTTLCNVTNALGARQAELTVQVKEGPPSEHSGISRN
Purity	Transferred into competent cells and the supernatant was purified by NI column affinity chromatography and the purity is > 85% (by SDS-PAGE).
Notes	For research use only, not for use in diagnostic procedure.
Storage	Store at 4 centigrade short term. Aliquot and store at -20 centigrade long term. Avoid freeze-thaw cycles.
Concentration	≥0.5 mg/mL
Storage Buffer	PBS, 4M Urea, pH7.4

GENE INFORMATION

Gene Name	PVR poliovirus receptor [Homo sapiens (human)]
Official Symbol	PVR
Synonyms	PVR; poliovirus receptor; PVS; CD155; HVED; Necl 5; NECL5; nectin like 5; Tage4; nectin-like 5; nectin-like protein 5; TAGE4; Necl-5; FLJ25946;
Gene ID	5817
mRNA Refseq	NM_001135768
Protein Refseq	NP_001129240
MIM	173850

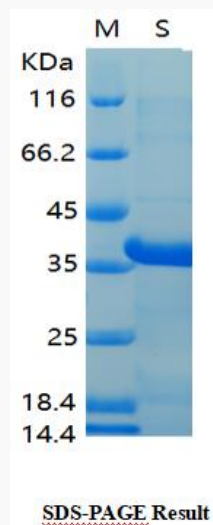
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UniProt ID P15151

SDS-PAGE



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