

Specifications:

Gene:	hPVR
Accession:	NP_006496
Insert size:	1267bp
Concentration:	10µg at 0.2µg/µL

hCD155/PVR cDNA Plasmid

PVR poliovirus receptor [*Homo sapiens* (human)]

Also known as: PVS; HVED; CD155; NECL5; TAGE4; Necl-5

Summary:

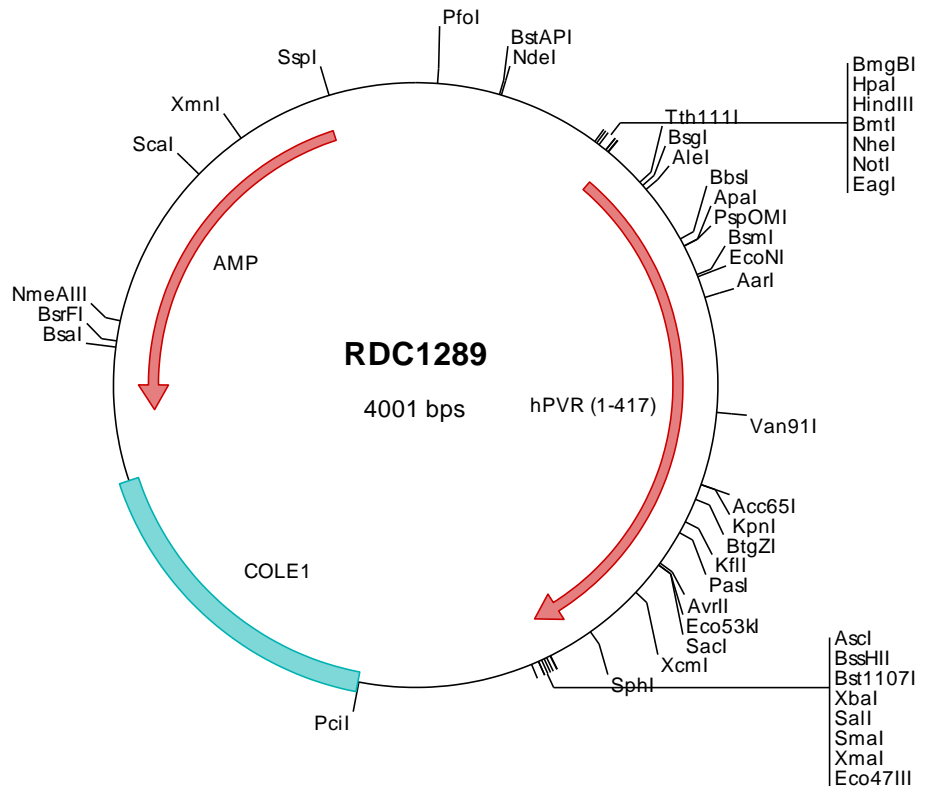
PVR is a type I transmembrane glycoprotein that belongs to the nectin related family of adhesion proteins within the immunoglobulin superfamily. It serves as a cellular receptor for poliovirus in the first step of poliovirus replication. PVR binds other molecules including vitronectin, Nectin 3, DNAM 1/CD226, CD96, and TIGIT, but does not bind homotypically. It is upregulated on endothelia by IFN-γ, and is highly expressed on immature thymocytes, lymph node dendritic cells, and tumor cells of epithelial and neuronal origin. Alternatively spliced transcripts encoding different proteins have been described.

Description

This shuttle vector contains the complete ORF for the gene of interest, along with a Kozak consensus sequence for optimal translation initiation. It is inserted NotI to AscI. The gene insert is flanked with convenient multiple cloning sites which can be used to easily cut and transfer the gene cassette into your desired expression vector.

Preparation and Storage

Formulation	cDNA is provided in 10 mM Tris-Cl, pH 8.5
Shipping	Ships at ambient temperature
Stability	1 year from date of receipt when stored at -20°C to -80°C
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles.



FOR RESEARCH USE ONLY

NOT FOR USE IN HUMANS



> RDC1289 Plasmid DNA Sequence

1 tcgcgcggtt cggatgatgac ggtgaaaacc tetgacacat gcaagctccc gagacggtea cagcttgtct gtaagcggat gccgggagca gacaagcccg
101 tcaggggcgc tcagcgggtg ttggcgggtg tetggggctgg cttactatg cggcatcaga gcagattgta ctgagagtgc accatatgcg gtgtgaaata
201 ccgcacagat gcgtaaggag aaaataccgc atcaggcgcc attcgccatt caggctgcgc aactgttggg aaggcgatc ggtgcgggcc tcttcgctat
301 taaggcagct ggcgaaaggg ggatgtgctg caaggcgatt aagtgggta acgcccagggt tttccagtc acgacgtgtg aaaacgacgg ccagtgaatt
401 ggagacgtgt taacaagctt ggatccgata tetgtagcgc gggccgccacc atggcccgag ccatggccgc cgcgtggcgg ctgctgctgg tggcgtactt
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3901 tccgcgcaca tttcccggaa aagtgccacc tgagctctaa gaaaccatta ttatcatgac attaacctat aaaaataggg gtatcacgag gcccttctgc
401 c

> RDC1289 Translated Insert Sequence

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101 aelrnaslrn fglrvedegn ytlcfvtfpq gsrsvdiwlr vlakpntae vqkvqltgep vpmarcvstg grppaqitwh sdlggmpts qvpgflsgtv
201 tvtslwilvp ssqvdgknyt ckvehesfek pqltlnltv yyppevsisg ydnnwylgqn eatltcdars npeptgynws ttmgplppfa vaqgaqllir
301 pvdkpinttl icnvtnalga rqaeltvqvk egppsehsgm srnaiiflvl gilvflillg igiyfywskc srevlwhchl cpsstehasa sanghvsysa
401 vsrensssqd pqttegr