

Product datasheet for **RG227359**

Poliovirus Receptor (PVR) (NM_001135770) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Poliovirus Receptor (PVR) (NM_001135770) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Poliovirus Receptor
Synonyms:	CD155; HVED; Necl-5; NECL5; PVS; TAGE4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG227359 representing NM_001135770 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCCCGAGCCATGGCCCGCGTGGCCGCTGCTGCTGGTGGCGCTACTGGTGTCTCCTGGCCACCC
CAGGAACCGGGACGTCGTCGTCAGGCGCCACCCAGGTGCCCGGCTTCTGGGCGACTCCGTGACGCT
GCCCTGTACCTACAGGTGCCAACATGGAGGTGACGCATGTGTCACAGCTGACTGGGCGCGGCATGGT
GAATCTGGCAGCATGGCCGTCTCCACCAAACGCAGGGCCCCAGCTATTCGGAGTCCAAACGGCTGGAAT
TCGTGGCAGCCAGACTGGGCGCGGAGCTGCGGAATGCCTCGTGAAGGATGTTGGGTTGCGCGTAGAGGA
TGAAGGCAACTACACCTGCCTGTTGTCACGTTCCCGCAGGGCAGCAGGAGCGTGGATATCTGGCTCCGA
GTGCTTGCCAAGCCCCAGAACACAGCTGAGGTTTCAAGGTTCCAGCTCACTGGAGAGCCAGTGCCCATGG
CCCCTGCGTCTCCACAGGGGGTCCGCCAGCCAAATCACCTGGCACTCAGACCTGGGCGGGATGCC
CAATACGAGCCAGGTGCCAGGGTTCCTGTCTGGCACAGTCACTGTACCAGCCTCTGGATATTGGTGCC
TCAAGCCAGGTGGACGGCAAGAAATGTGACCTGCAAGGTGGAGCACGAGAGCTTTGAGAAGCCTCAGCTGC
TGACTGTGAACCTCACCGTGTACTACCCCCAGAGGATCCATCTCTGGCTATGATAAACAACCTGGTACCT
TGGCCAGAATGAGGCCACCCTGACCTGCGATGCTCGCAGCAACCCAGAGCCCACAGGCTATAATTGGAGC
ACGACCATGGTCCCCTGCCACCCTTTGCTGTGGCCAGGGCGCCAGCTCCTGATCCGTCCTGTGGACA
AACCAATCAACACAACCTTAATCTGCAACGTACCAATGCCCTAGGAGCTCGCCAGGCAGAACTGACCGT
CCAGGTCAAAGAGGGACCTCCCAGTGAGCACTCAGGCATATCCCGTAACGCCATCATCTTCTGGTCTG
GGAATCTGGTTTTCTGATCCTGCTGGGGATCGGGATTTATTTCTATTGGTCCAAATGTTCCCGTGAGG
TCCTTTGGCACTGTCATCTGTGCCCTCGAGTGAGCATCACCAGAGCTGCCGTAAT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG227359 representing NM_001135770
 Red=Cloning site Green=Tags(s)

MARAMAAAWPLLLVALLVLSWPPPGTGDVVVQAPTQVPGFLGDSVTLPCYLQVPNMVEVTHVSQLTWARHG
 ESGSMVAFHQQTQGPSYSESKRLEFVAARLGAELRNASLRMFLRVEDEGNYTCLFVTFPQGSRSVDIWL
 VLAKPQNTAEVQKVQLTGEPVPMARCVSTGRRPPAQITWHSDLGGMPNTSQVPGFLSGTVTVTSLWILVP
 SSQVDGKNVTCKVEHESFEKPKQLLTVNLTVYYPPPEVSIISGYDNNWYLGQNEATLTCDARSNPEPTGYNWS
 TTMGPLPPFAVAQGAQLLIRPVDKPINTTLICNVTNALGARQAEQELTVQVKEGPPSEHSGISRNAIIFLVL
 GILVFLILLGIGIYFYWSKCSREVLWHCHLCPSEHHQSCRN

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001135770

ORF Size: 1176 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

RefSeq: [NM_001135770.2](#)

RefSeq Size: 1643 bp

RefSeq ORF: 1179 bp

Locus ID: 5817

UniProt ID: [P15151](#)

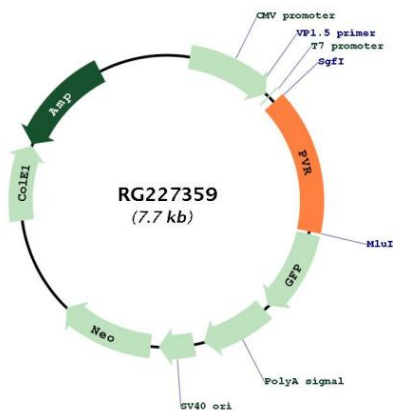
Cytogenetics: 19q13.31

Protein Families: Druggable Genome, Transmembrane

Protein Pathways: Cell adhesion molecules (CAMs)

Gene Summary: The protein encoded by this gene is a transmembrane glycoprotein belonging to the immunoglobulin superfamily. The external domain mediates cell attachment to the extracellular matrix molecule vitronectin, while its intracellular domain interacts with the dynein light chain Tctex-1/DYNLT1. The gene is specific to the primate lineage, and serves as a cellular receptor for poliovirus in the first step of poliovirus replication. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Oct 2008]

Product images:



Circular map for RG227359