

Product datasheet for **RG226991**

Poliovirus Receptor (PVR) (NM_001135768) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Poliovirus Receptor (PVR) (NM_001135768) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	PVR
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:	>RG226991 representing NM_001135768 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCCCGAGCCATGGCCCGCGTGGCCGCTGCTGCTGGTGGCGCTACTGGTGTCTCCTGGCCACCC
CAGGAACCGGGACGTCGTCGTCAGGCGCCACCCAGGTGCCCGGCTTCTGGGCGACTCCGTGACGCT
GCCCTGTACCTACAGGTGCCAACATGGAGGTGACGCATGTGTCACAGCTGACTGGGCGCGGCATGGT
GAATCTGGCAGCATGGCCGTCTCCACCAAACGCAGGGCCCCAGCTATTCGGAGTCAAACGGCTGGAAT
TCGTGGCAGCCAGACTGGGCGCGGAGCTGCGGAATGCCTCGTGAGGATGTTGCGGTTGCGCGTAGAGGA
TGAAGGCAACTACACCTGCCTGTTGTCACGTTCCCGCAGGGCAGCAGGAGCGTGGATATCTGGCTCCGA
GTGCTTGCCAAGCCCCAGAACACAGCTGAGGTTGAGAAGTCCAGCTCACTGGAGAGCCAGTGCCCATGG
CCCCTGCGTCTCCACAGGGGTCGCCCCAGCCAAATCACCTGGCACTCAGACCTGGGCGGGATGCC
CAATACGAGCCAGGTGCCAGGGTTCCTGTCTGGCACAGTCACTGTACCAGCCTCTGGATATTGGTGCC
TCAAGCCAGGTGGACGGCAAGATGTGACCTGCAAGGTGGAGCACGAGAGCTTTGAGAAGCCTCAGCTGC
TGACTGTGAACCTCACCGTGTACTACCCCCAGAGGATCCATCTCTGGCTATGATAAACAACCTGGTACCT
TGGCCAGAATGAGGCCACCCTGACCTGCGATGCTCGCAGCAACCCAGAGCCCACAGGCTATAATTGGAGC
ACGACCATGGTCCCCTGCCACCCTTTGCTGTGGCCAGGGCGCCAGCTCCTGATCCGTCCTGTGGACA
AACCAATCAACACAACCTTAATCTGCAACGTACCAATGCCCTAGGAGCTCGCCAGGCAGAACTGACCGT
CCAGGTCAAAGAGGGACCTCCCAGTGAGCACTCAGGTACAGAGCATGCCAGCGCCTCAGCTAATGGCAT
GTCTCTATTAGCTGTGAGCAGAGAGAACAGCTCTCCAGGATCCACAGACAGAGGGCACAAGG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG226991 representing NM_001135768
 Red=Cloning site Green=Tags(s)

MARAMAAWPLLLVALLVLSWPPPGTGDVVVQAPTQVPGFLGDSVTLPCYLQVPMNEVTHVSQLTWARHG
 ESGSMVVFHQQTQGPSYSESKRLEFVAARLGAELRNASLRMFLRVEDEGNYTCLFVTFPQGSRSVDIWL
 VLAKPQNTAEVQKVQLTGEPVPMARCVSTGRRPPAQITWHSDLGGMPNTSQVPGFLSGTIVTSLWILVP
 SSQVDGKNVTCKVEHESFEKPKQLLTVNLTVYYPPEVSIISGYDNNWYLGQNEATLTCDARSNPEPTGYNWS
 TTMGPLPPFAVAQGAQLLIRPVDKPIINTLILCNVTNALGARQAEELTVQVKEGPPSEHSGTEHASASANGH
 VSYSAVSRENSSSQDPQTEGTR

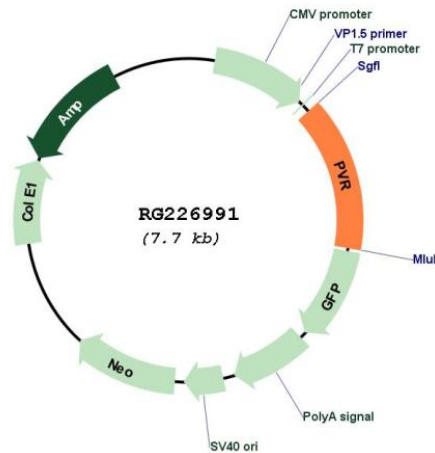
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001135768

ORF Size:	1116 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:	<ol style="list-style-type: none">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_001135768.3
RefSeq Size:	5769 bp
RefSeq ORF:	1119 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]