

Product datasheet for **RG202254**

Poliovirus Receptor (PVR) (NM_006505) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Poliovirus Receptor (PVR) (NM_006505) 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:	>RG202254 representing NM_006505 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCCCGAGCCATGGCCCGCGTGGCCGCTGCTGCTGGTGGCGCTACTGGTGTCTCCTGGCCACCC
CAGGAACCGGGACGTCGTCGTCAGGCGCCACCCAGGTGCCCGGCTTCTTGGGCGACTCCGTGACGCT
GCCCTGTACCTACAGGTGCCAACATGGAGGTGACGCATGTGTCACAGCTGACTTGGGCGCGCATGGT
GAATCTGGCAGCATGGCCGTCTCCACCAAACGCAGGGCCCCAGCTATTCGGAGTCAAACGGCTGGAAT
TCGTGGCAGCCAGACTGGGCGCGGAGCTGCGGAATGCCTCGTGAAGGATGTTCCGGTTGCGCGTAGAGGA
TGAAGGCAACTACACCTGCCTGTTTCGTACGTTCCCGCAGGGCAGCAGGAGCGTGGATATCTGGCTCCGA
GTGCTTGCCAAGCCCCAGAACACAGCTGAGGTTTCAAGGTTCCAGCTCACTGGAGAGCCAGTGCCCATGG
CCCCTGCGTCTCCACAGGGGGTCCGCCCGCCAGCCAAATCACCTGGCACTCAGACCTGGGCGGGATGCC
CAATACGAGCCAGGTGCCAGGGTTCCTGTCTGGCACAGTCACTGTACCAGCCTCTGGATATTGGTGCC
TCAAGCCAGGTGGACGGCAAGATGTGACCTGCAAGGTGGAGCACGAGAGCTTTGAGAAGCCTCAGCTGC
TGACTGTGAACCTCACCGTGTACTACCCCGAGAGGTATCCATCTCTGGCTATGATAAACAACCTGGTACCT
TGGCCAGAATGAGGCCACCCTGACCTGCGATGCTCGCAGCAACCCAGAGCCACAGGCTATAATTGGAGC
ACGACCATGGTCCCCTGCCACCCTTTGCTGTGGCCAGGGCGCCAGCTCCTGATCCGCTCTGTGGACA
AACCAATCAACACAACCTTAATCTGCAACGTACCAATGCCCTAGGAGCTCGCCAGGCAGAACTGACCGT
CCAGGTCAAAGAGGGACCTCCCAGTGAGCACTCAGGCATGTCCCGTAACGCCATCATCTTCTGTTCTG
GGAATCTGGTTTTCTGATCCTGCTGGGGATCGGGATTTATTTCTATTGGTCAAATGTTCCCGTGAGG
TCCTTTGGCACTGTATCTGTGTCCCTCGAGTACAGAGCATGCCAGCGCCTCAGCTAATGGGCATGTCTC
CTATTCAGCTGTGAGCAGAGAGAACAGCTCTTCCAGGATCCACAGACAGAGGGCACAAGG

ACGGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG202254 representing NM_006505
 Red=Cloning site Green=Tags(s)

MARAMAAAWPLLLVALLVLSWPPPGTGDVVVQAPTQVPGFLGDSVTLPCYLQVPNMEVTHVSQLTWARHG
 ESGSMVAFHQQTQGPSYSESKRLEFVAARLGAELRNASLRMFLRVEDEGNYTCLFVTFPQGSRSVDIWLRL
 VLAKPQNTAEVQKVQLTGEPVPMARCVSTGRRPPAQITWHSDLGGMPNTSQVPGFLSGTIVTSLWILVP
 SSQVDGKNVTCKVEHESFEKPKQLLTVNLTVYYPPPEVSIISGYDNNWYLGQNEATLTCDARSNPEPTGYNWS
 TTMGPLPPFAVAQGAQLLIRPVDKPIINTLLICNVTNALGARQAELTVQVKEGPPSEHSGMSRNAIIFLVL
 GILVFLILLGIGIYFYWSKCSREVLWHCHLCPSSSTEHASASANGHVSYSAVSRENSSSQDPQTEGTR

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_006505

ORF Size: 1251 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_006505.5](#)

RefSeq Size: 3215 bp

RefSeq ORF: 1254 bp

Locus ID: 5817

UniProt ID: [P15151](#)

Cytogenetics: 19q13.31

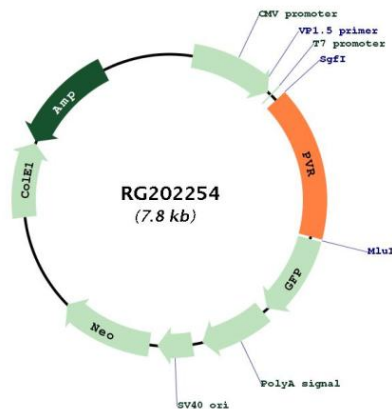
Domains: ig, IGv, IG

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 RG202254