

## Product datasheet for SC116044

### Poliovirus Receptor (PVR) (NM\_006505) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Poliovirus Receptor (PVR) (NM_006505) Human Untagged Clone
Tag:	Tag Free
Symbol:	Poliovirus Receptor
Synonyms:	CD155; HVED; Necl-5; NECL5; PVS; TAGE4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC116044 representing NM_006505. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGCCCGAGCCATGGCCGCCGCGTGGCCGCTGCTGCTGGTGGCGCTACTGGTGTCTCCTGGCCACCC
CCAGGAACCGGGACGTCGTCGTCAGGCGCCACCCAGGTGCCGGCTTCTGGCGACTCCGTGACG
CTGCCCTGCTACCTACAGGTGCCAACATGGAGGTGACGCATGTGTACAGCTGACTTGGCGCGGCAT
GGTGAATCTGGCAGCATGGCCGCTTCCACCAACGCAGGGCCCCAGCTATTCGGAGTCAAACGGCTG
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CCTCAGCTGCTGACTGTGAACCTCACCGTGTACTACCCCCAGAGGTATCCATCTCTGGCTATGATAAC
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GCTAATGGGCATGTCTCTATTAGCTGTGAGCAGAGAGAACAGCTCTTCCAGGATCCACAGACAGAG
GGCACAAGGTGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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<b>Chromatograms:</b>	<a href="https://cdn.origene.com/chromatograms/ja2533_a06.zip">https://cdn.origene.com/chromatograms/ja2533_a06.zip</a>
<b>Restriction Sites:</b>	Sgfl-Mlul
<b>ACCN:</b>	NM_006505
<b>Insert Size:</b>	1254 bp
<b>OTI Disclaimer:</b>	<p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at <a href="mailto:custsupport@origene.com">custsupport@origene.com</a> or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>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. <a href="#">More info</a></p>
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>RefSeq:</b>	<a href="#">NM_006505.4</a>
<b>RefSeq Size:</b>	5903 bp
<b>RefSeq ORF:</b>	1254 bp
<b>Locus ID:</b>	5817
<b>UniProt ID:</b>	<a href="#">P15151</a>
<b>Cytogenetics:</b>	19q13.31
<b>Domains:</b>	ig, IGv, IG
<b>Protein Families:</b>	Druggable Genome, Transmembrane
<b>Protein Pathways:</b>	Cell adhesion molecules (CAMs)
<b>MW:</b>	45.3 kDa

**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]

Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (alpha), also known as H20A. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.