

Product datasheet for **SC325837**

Poliovirus Receptor (PVR) (NM_001135768) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Poliovirus Receptor (PVR) (NM_001135768) Human Untagged Clone
Tag:	Tag Free
Symbol:	PVR
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:	>SC325837 representing NM_001135768. Blue=Insert sequence Red=Cloning site Green=Tag(s)

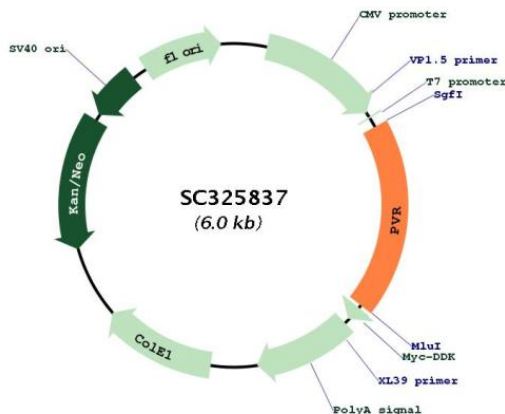
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CCAGGAACCGGGACGTCGTCGTCAGGCGCCACCCAGGTGCCCGGCTTCTGGCGACTCCGTGACG
CTGCCCTGCTACCTACAGGTGCCAACATGGAGGTGACGCATGTGTACAGCTGACTTGGCGCGGCAT
GGTGAATCTGGCAGCATGGCCGCTTCCACCAAACGCAGGGCCCCAGCTATTCGGAGTCAAACGGCTG
GAATTCGTGGCAGCCAGACTGGCGCGGAGCTGCGGAATGCCTCGCTGAGGATGTTGGGTTGCGCGTA
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TCAGCTAATGGGCATGTCTCCTATTCAGCTGTGAGCAGAGAGAACAGCTTTCAGGATCCACAGACA
GAGGGCACAAGTGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites: SgfI-MluI



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Plasmid Map:



ACCN: NM_001135768

Insert Size: 1119 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

OTI Annotation: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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_001135768.2](#)

RefSeq Size: 5768 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)

MW: 40.1 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 (2) uses an alternate in-frame splice site in the 3' coding region, compared to variant 1. The encoded isoform (beta) lacks an internal segment including the putative transmembrane domain, compared to isoform alpha, resulting in its secretion into serum and cerebrospinal fluid. 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.