

Product datasheet for **SC331935**

EPDR1 (NM_001242946) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: EPDR1 (NM_001242946) Human Untagged Clone
Tag: Tag Free
Symbol: EPDR1
Synonyms: EPDR; MERP-1; MERP1; UCC1
Vector: pCMV6-Entry (PS100001)
Fully Sequenced ORF: >SC331935 representing NM_001242946.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

ATGCCAGGACGCGCTCCCTCCGCACCGTCCCGGGCGCCCTGGGTGCCTGGCTGCTGGGCGGCTCTGG
 GCCTGGACCCTGTGCGGCTGTGCAGCCTGGGGCGGTGGGAGCCCCGCGCCGTCGCCAGCGCCGACG
 CAGTGGGAGGGGCGCCAGGTTATGTACCAGCAAAGTAGCGGGCGCAACAGCCGCGCCTGCTCTCTAC
 GACGGGCTCAACCAGCGCGTGGGGTGTGGACGAGAGGAAGGCGCTGATCCCTGCAAGAGATGA

Restriction Sites: SgfI-MluI

ACCN: NM_001242946

Insert Size: 273 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).

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_001242946.1](#)



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RefSeq Size: 2405 bp

RefSeq ORF: 273 bp

Locus ID: 54749

UniProt ID: [Q9UM22](#)

Cytogenetics: 7p14.1

Protein Families: Secreted Protein

MW: 9.9 kDa

Gene Summary: The protein encoded by this gene is a type II transmembrane protein that is similar to two families of cell adhesion molecules, the protocadherins and ependymins. This protein may play a role in calcium-dependent cell adhesion. This protein is glycosylated, and the orthologous mouse protein is localized to the lysosome. Alternative splicing results in multiple transcript variants. A related pseudogene has been identified on chromosome 8. [provided by RefSeq, Aug 2011]

Transcript Variant: This variant (2) lacks an alternate exon that results in a frameshift in the 3' coding region, compared to variant 1. The encoded isoform (2, also known as MERP1a) has a distinct and shorter C-terminus, compared to isoform 1. 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.