

Product datasheet for **SC307871**

PEDS1 (NM_199129) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PEDS1 (NM_199129) Human Untagged Clone
Tag:	Tag Free
Symbol:	PEDS1
Synonyms:	CarF; KUA; TMEM189
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF sequence for NM_199129 edited CGCACGAGGTGATCTCGCCGCGGTTCCGCGGCCCTGCCGCCGCCGCCAGCAGAGCGC ACCGGGCCGATCGGGCGAGTGGCCATGGCGGGCGCCGAGGACTGGCCGGGCCAGCAGCTG GAGCTGGACGAGGACGAGGCGTCTTGTTGCCGCTGGGGCGCGCAGCAGCCGGGGCCCGC GAGCTGGCTGCGCTCTACTCGCCAGGCAAGCGCCTCCAGGAGTGGTGCTGTGTATCCTG TGCTTCAGCCTCATCGCCACAACCTGGTCCATCTCCTGCTGCTGGCCCGCTGGGAGGAC ACACCCCTCGTCATACTCGGTGTTGTTGCAGGGGCTCTCATTGCTGACTTCTTGCTGGC CTGGTACACTGGGGTGCTGACACATGGGGCTCTGTGGAGCTGCCATTGTGGGAAGGCT TTCATCCGACCTTCCGGGAGCACCACATTGACCCGACAGCTATCACACGGCAGCACTTC ATCGAGACCAACGGGGACAACCTGCCTGGTGACACTGCTGCCGCTGCTAAACATGGCCTAC AAGTTCCGCACCCACAGCCCTGAAGCCCTGGAGCAGCTATACCCCTGGGAGTGCTTCGTC TTCTGCCTGATCATCTTCGGCACCTTCACCAACCAGATCCACAAGTGGTCGCACACGTAC TTTGGGCTGCCACGCTGGGTCAACCTCCTGCAGGACTGGCATGTCATCCTGCCACGTAAA CACCATCGCATCCACCACGTCTACCCACGAGACCTACTTCTGCATCACCACAGGCTGG CTCAACTACCTCTGGAGAAGATAGGCTTCTGGCGACGCTGGAGGACCTCATCCAGGGC CTGACGGGCGAGAAGCCTCGGGCAGATGACATGAAATGGGCCCAGAAGATCAAATAACTT CTCCGAGCCTGCTACCTGGTTGCCAACCTTCCCTAGCCCCCAAACCGAAGCCATCTGCCA AATTCCAGCCTCTTTGAGCTGGCCCTCCAGATGGAGAGGACATCTCCTGGGCTGGGCC AGGTACCCAGCCACCCCTCATGACACAGAATACTTGAGCCACTGATTTTTCATTCTTT TTTTTTTTTTTTCTCGGCCCTCCTCAGCCACCTGAGTTGCTCTATCTGCAAGCCTGA CTCTGCCAGCCTCCCCTGGTAGAGAGGAGTTTACCCACTCCCTGCACGCTGCCGTCCC TGCCCCGCTGGGAGCCCTTCAGTGTGGCTGGCGTTGGGGCCA


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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_199129 unedited GGTTGCATTTGTATACGACTCATATAGGGCGGCCGGAATTTCGCACGAGGTGATCTCGCC GCGGTTCCGCGGCCCTGCCGCCGCCGCCAGCAGAGCGCACCGGGCCGATCGGGCGAG TGGCCATGGCGGGCGCCGAGGACTGGCCGGGCCAGCAGCTGGAGCTGGACGAGGACGAGG CGTCTTGTGCCGCTGGGGCGCGCAGCAGCGGGGCCCGCGAGCTGGCTGCGCTCTACT CGCCAGGCAAGCGCTCCAGGAGTGGTGCTCTGTGATCCTGTGCTTCAGCCTCATCGCCC ACAACCTGGTCCATCTCCTGCTGCTGGCCGCTGGGAGGACACACCCCTCGTCATACTCG GTGTTGTTGCAGGGGCTCTCATTGCTGACTTCTTGCTGCGCTGGTACACTGGGGTGCTG ACACATGGGGCTCTGTGGAGCTGCCCATTGTGGGAAGGCTTTCATCCGACCCCTCCGGG AGCACCATTTGACCCGACAGCTATCACACGGCAGCACTTCATCGAGACCAACGGGGACA ACTGCCTGGTGACACTGCTGCCGCTGCTAAACATGGCCTACAAGTTCCGACCCACAGCC CTGAAGCCCTGGAGCAGCTATACCCCTGGGAGTGTCTCGTCTTCTGCCTGATCATCTTCG GCACCTTCACCAACCAGATCCACAAGTGGTCGCACACGTAACCTTTGGGCTGCCACGCTGGG TCACCTCTGCANGACTGGCATGTCTGCTGCCNACGTAACACCATCGCATCCACCACG TCTACCCACGAGACCTACTTCTGCATCACCACAGGCTGGCTCACTACCTCTGGAGA AGATAGGCTTCTGGCGACGCTGGAGGACCTATCCAGGGCCTGACGGGCGAGAAGCCTC GGGCAGATGACATGAAAATGGGCCAGAAGATCAATATAC
3' Read Nucleotide Sequence:	>OriGene 3' read for NM_199129 unedited GTCCACCATGGGTGATGGCACCTTCCAGGNCCAGAGAGCACTGGGGAAGGGTCACAGG GCATGCCACCCGGGTATCTGTTCAAGAAAACAGCTATGACCGCGCCGCAATCTAGAGTC GAGTTTGGTAAAA ATATTTTATGTACCTCCAAAACATGACATTAATAATTTTACCCCGGTTAAAAAAAAT TAAGGCTTTCTATTATTTACATTAACAAGCCAGCCCTTTTAAAAAAAACAAAACAAA AAGCCCTACTTTCTTTTTTGAATACTCTGGCCAAAAGGGAAACCGTGTCTCTTCCA AATGAACAAAATGCTCTGCAGGGGCTGTGCCCTGGGAAAACATCTTGGTATTGAAAACAT CACCTCTGGCAGGGTGGGGGCAACAAAATAGGGGTCTAACTTGAACAAGAGGTTCC AGCCTCTTTGGCCGGGTACCTCAAAACCTGGTGAACCTCACCATCCTTGGGGGAAAG GCTAAGCTGAAGGTGGTGGCTGGGGCTTCCACCTGCCAGCCTCCCGGGGTCAATATGC AAGGCTGTGGCAAAACATGCTCCACAACCTTAAGTGTGCTGGGGGCCCCCAACCA CTGGGGCAAAACAGGAGGAAAGAGGCACTCATTGGCCCCAACGCCCGCCACACTGAA GGCTGCCCCACCGGGCAAGGACCGCAGCGTGCCGGGGATGGGTAAACCCCCCTCTC CAGGGGAGGCCTGCAAAATCAGGCTGCAATANAACACCTCAGGTGCCTGGAGGGGGCC CGGGNNNNNAAAAAAGAATGGAAAATCCGGGCCAGGTTTTCGGTGCTAAAAGAAAA AAAAA
Restriction Sites:	NotI-NotI
ACCN:	NM_199129
Insert Size:	1850 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:	The open reading frame of this TrueClone was fully sequenced and found to be a perfect match to the protein associated to this reference.
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_199129.1, NP_954580.1

RefSeq Size: 2187 bp

RefSeq ORF: 813 bp

Locus ID: 387521

UniProt ID: A5PLL7

Cytogenetics: 20q13.13

Protein Families: Transmembrane

Gene Summary: Co-transcription of this gene and the neighboring downstream gene (ubiquitin-conjugating enzyme E2 variant 1) generates a rare read-through transcript, which encodes a fusion protein comprised of sequence sharing identity with each individual gene product. The protein encoded by this individual gene lacks a UEV1 domain but includes three transmembrane regions. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jun 2009]
 Transcript Variant: This variant (1) encodes the longer isoform (1).