

Product datasheet for **SC326837**

PEDS1 (NM_001162505) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PEDS1 (NM_001162505) Human Untagged Clone
Tag:	Tag Free
Symbol:	PEDS1
Synonyms:	CarF; KUA; TMEM189
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC326837 representing NM_001162505. Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTAGTGAACCGTCAGAATTTTGTAAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
 GATCCGGTACCGAGGAGATCTGCCGCC**GCGATCGCC**
 ATGGCGGGCGCCGAGGACTGGCCGGGCCAGCAGCTGGAGCTGGACGAGGACGAGGCGTCTTGTTGCCGC
 TGGGGCGCGCAGCAGCGCCGGGGCCCGAGCTGGCTGCGCTCTACTCGCCAGGCAAGCGCCTCCAGGAG
 TGGTGCTCTGTGATCCTGTGCTTCAGCCTCATCGCCACAACCTGGTCCATCTCCTGCTGCTGGCCCGC
 TGGGAGGACACACCCCTCGTCATACTCGGTGTTGTTGCAGGGGCTCTCATTGCTGACTTCTTGCTGGC
 CTGGTAACTGGGGTGTGACACATGGGCTCTGTGGAGCTGCCATTGCTTTCATCCGACCTTCCGG
 GAGCACCATTTACCCGACAGCTATCACACGGCAGACTTCATCGAGACCAACGGGGACAACCTGCCTG
 GTGACACTGTGCGCTGCTAAACATGGCCTACAAGTTCGCGACCCACAGCCCTGAAGCCCTGGAGCAG
 CTATACCCCTGGGAGTGCTTCGTCTTCTGCCTGATCATCTTCGGCACCTTCACCAACCAGATCCACAAG
 TGGTCGCACACGTAATTTGGGCTGCCACGCTGGGTCAACCTCCTGCAGGACTGGCATGTCATCCTGCCA
 CGTAAACACCATCGCATCCACCACGTCTCACCCACGAGACCTACTTCTGCATCACCACAGGCTGGCTC
 AACTACCTCTGGAGAAGATAGGCTTCTGGCGACGCTGGAGGACCTCATCCAGGGCCTGACGGGCGAG
 AAGCCTCGGGCAGATGACATGAAATGGGCCCAGAAGATCAAA**TAA**
ACGCGTACGCGGCCGCTCGAGCAGAA**ACT**ATCTCAGAAAGAGGATCTGGCAGCAAATGATATCCTGGAT
 TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC

Restriction Sites:	SgfI-MluI
ACCN:	NM_001162505
Insert Size:	804 bp


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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:	<ol style="list-style-type: none"> 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:	<u>NM_001162505.1</u>
RefSeq Size:	2286 bp
RefSeq ORF:	804 bp
Locus ID:	387521
UniProt ID:	<u>A5PLL7</u>
Cytogenetics:	20q13.13
Protein Families:	Transmembrane
MW:	30.9 kDa
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (2) uses an alternate in-frame splice site in the central coding region, compared to variant 1, resulting in an isoform (2) that is shorter than isoform 1.</p>