

Product datasheet for **SC328646**

PPAR delta (PPARD) (NM_001171819) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PPAR delta (PPARD) (NM_001171819) Human Untagged Clone
Tag:	Tag Free
Symbol:	PPAR delta
Synonyms:	FAAR; NR1C2; NUC1; NUCI; NUCII; PPARB
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC328646 representing NM_001171819. Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTAGTGAACCGTCAGAATTTTGAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
 GATCCGGTACCGAGGAGATCTGCCGCC**CGCATCGCC**
 ATGCACCAACGAGACCTCTCCGGAGCTCCTCGCCACCCTCACTGCTGGACCAACTGCAGATGGGCTGT
 GACGGGGCTCATGCGGCAGCCTCAACATGGAGTGCCGGGTGTGCGGGGACAAGGCATCGGGCTTCCAC
 TACGGTGTTCATGCATGTGAGGGGTGCAAGGGCTTCTCCGTCGTACGATCCGCATGAAGCTGGAGTAC
 GAGAAGTGTGAGCGCAGCTGCAAGATTCAGAAGAAGAACCGCAACAAGTGCCAGTACTGCCGCTTCCAG
 AAGTGCCTGGCACTGGGCATGTACACAACGCTATCCGTTTTGGTCGGATGCCGGAGGCTGAGAAGAGG
 AAGCTGGTGGCAGGGCTGACTGCAAACGAGGGGAGCCAGTACAACCCACAGGTGGCCGACCTGAAGGCC
 TTCTCCAAGCACATCTACAATGCCTACCTGAAAACTTCAACATGACCAAAAAGAGGCCCGCAGCATC
 CTCACCGGCAAAGCCAGCCACACGGCGCCCTTTGTGATCCACGACATCGAGACATTGTGGCAGGCAGAG
 AAGGGGCTGGTGTGGAAGCAGTTGGTGAATGGCCTGCCTCCCTACAAGGAGATCAGCGTGCACGTCTTC
 TACCGCTGCCAGTGCACCACAGTGGAGACCGTGCGGGAGCTCACTGAGTTCGCCAAGAGCATCCCCAGC
 TTCAGCAGCCTCTTCTCAACGACCAGGTTACCTTCTCAAGTATGGCGTGACGAGGCCATCTTCGCC
 ATGCTGGCCTCTATCGTCAACAAGGACGGGCTGCTGGTAGCCAACGGCAGTGGCTTTGTCACCCGTGAG
 TTCCTGCGCAGCCTCCGCAACCCCTTCACTGATATCATTGAGCCTAAGTTTGAATTTGCTGTCAAGTTC
 AACGCCCTGGAATTGATGACAGTGACCTGGCCCTATTATTGCGGCCATCATTCTGTGTGGAGACCGG
 CCAGGCCTCATGAACGTTCCACGGGTGGAGGCTATCCAGGACACCATCCTGCGTGCCCTCGAATTCCAC
 CTGCAGGCCAACCCCTGATGCCAGTACCTCTTCCCCAAGCTGCTGCAGAAGATGGCTGACCTGCGG
 CAACTGGTCACCGAGCACGCCAGATGATGCAGCGGATCAAGAAGACCGAAACCGAGACCTCGTGAC
 CCTCTGCTCCAGGAGATCTACAAGGACATGTACTAA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
 TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC

Restriction Sites: Sgfl-MluI



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ACCN:	NM_001171819
Insert Size:	1209 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:	<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_001171819.1</u>
RefSeq Size:	3518 bp
RefSeq ORF:	1209 bp
Locus ID:	5467
UniProt ID:	<u>Q03181</u>
Cytogenetics:	6p21.31
Protein Families:	Druggable Genome, Nuclear Hormone Receptor, Transcription Factors
Protein Pathways:	Acute myeloid leukemia, Pathways in cancer, PPAR signaling pathway, Wnt signaling pathway
MW:	45.8 kDa

Gene Summary:

This gene encodes a member of the peroxisome proliferator-activated receptor (PPAR) family. The encoded protein is thought to function as an integrator of transcriptional repression and nuclear receptor signaling. It may inhibit the ligand-induced transcriptional activity of peroxisome proliferator activated receptors alpha and gamma, though evidence for this effect is inconsistent. Expression of this gene in colorectal cancer cells may be variable but is typically relatively low. Knockout studies in mice suggested a role for this protein in myelination of the corpus callosum, lipid metabolism, differentiation, and epidermal cell proliferation. Alternative splicing results in multiple transcript variants encoding distinct protein isoforms. [provided by RefSeq, Aug 2017]

Transcript Variant: This variant (4) differs in the 5' UTR, lacks a portion of the 5' coding region, and initiates translation at an alternate start codon, compared to variant 1. The encoded isoform (3) has a distinct N-terminus and is shorter than isoform 1.