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Product datasheet for SC127818

PPAR delta (PPARD) (NM_006238) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PPAR delta (PPARD) (NM_006238) Human Untagged Clone
Tag:	Tag Free
Symbol:	PPAR delta
Synonyms:	FAAR; NR1C2; NUC1; NUCI; NUCII; PPARB
Mammalian Cell Selection:	None
Vector:	pCMV6-XL6
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF:

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>OriGene ORF sequence for NM_006238 edited
ATGGAGCAGCCACAGGAGGAAGCCCCTGAGGTCCGGGAAGAGGAGGAGAAAGAGGAAGTG
GCAGAGGCAGAAGGAGCCCCAGAGCTCAATGGGGGACCACAGCATGCACTTCCTTCCAGC
AGCTACACAGACCTCTCCCGGAGCTCCTCGCCACCCTCACTGCTGGACCAACTGCAGATG
GGCTGTGACGGGGCCTCATGCGGCAGCCTCAACATGGAGTGCCGGGTGTGCGGGGACAAG
GCATCGGGCTTCCACTACGGTGTTCATGCATGTGAGGGGTGCAAGGGCTTCTTCCGTCGT
ACGATCCGCATGAAGCTGGAGTACGAGAAGTGTGAGCGCAGCTGCAAGATTCAGAAGAAG
AACCGCAACAAGTGCCAGTACTGCCGCTTCCAGAAGTGCCTGGCACTGGGCATGTCACAC
AACGCTATCCGTTTTGGTCGGATGCCGGAGGCTGAGAAGAGGAAGCTGGTGGCAGGGCTG
ACTGCAAACGAGGGGAGCCAGTACAACCCACAGGTGGCCGACCTGAAGGCCTTCTCCAAG
CACATCTACAATGCCTACCTGAAAAACTTCAACATGACCAAAAAGAAGGCCCGCAGCATC
CTCACCGGCAAAGCCAGCCACACGGCGCCCTTTGTGATCCACGACATCGAGACATTGTGG
CAGGCAGAGAAGGGGCTGGTGTGGAAGCAGTTGGTGAATGGCCTGCCTCCCTACAAGGAG
ATCAGCGTGCACGTCTTCTACCGCTGCCAGTGCACCACAGTGGAGACCGTGCGGGAGCTC
ACTGAGTTCGCCAAGAGCATCCCCAGCTTCAGCAGCCTCTTCCTCAACGACCAGGTTACC
CTTCTCAAGTATGGCGTGCACGAGGCCATCTTCGCCATGCTGGCCTCTATCGTCAACAAG
GACGGGCTGCTGGTAGCCAACGGCAGTGGCTTTGTCACCCGTGAGTTCCTGCGCAGCCTC
CGCAAACCCTTCAGTGATATCATTGAGCCTAAGTTTGAATTTGCTGTCAAGTTCAACGCC
CTGGAACTTGATGACAGTGACCTGGCCCTATTCATTGCGGCCATCATTCTGTGTGGAGAC
CGGCCAGGCCTCATGAACGTTCCACGGGTGGAGGCTATCCAGGACACCATCCTGCGTGCC
CTCGAATTCCACCTGCAGGCCAACCACCCTGATGCCCAGTACCTCTTCCCCAAGCTGCTG
CAGAAGATGGCTGACCTGCGGCAACTGGTCACCGAGCACGCCCAGATGATGCAGCGGATC
AAGAAGACCGAAACCGAGACCTCGCTGCACCCTCTGCTCCAGGAGATCTACAAGGACATG
TACTAG
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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_006238 unedited
TTGTTCCCCCGCCCGTTGCCGCATATGGGCGGTAGCGTGTACGGTGGGAGGTCTATATAA
GCAGAGCTCATTTAGGTGACACTATAGAATACAAGCTACTTGTTCTTTTTGCAGCGGCCG
CGAATTCGGCACGAGGGAATTCTGCGGAGCCTGCGGGACGGCGGCGGTGGCGCCGTATGC
AGCCGGGACAGTGTTGTACAGTGTTTTGGGCATGCACGTGATACTCACACAGTGGCTTCT
GCTCACCAACAGATGAAGACAGATGCACCAACGAGGAGGTGAGGAGCGCCTCTTTCCGGC
CGCCATCACATCTAGGAAGGAGGAGCGTCTCTGCCCGGCCGCCCATCGTCTGAGATGTGG
GGAGCGCCTCTGCCCCGCCGCCCCGTCTGGGATGTGAGGAGCACCTCTGCCCGGCCACGA
CCCCGTCTGGGAGGTGAGGAGCATCTCTGCCCCGCCGCCCCGTCTGAGAAGTGAGGAGAC
CCTCTGCCCGGCAACCACCCCGTCTGAGAAGTGAGGAGACCCTCCACCCGGCAGCTGCCC
CGTCTGAGAAATGAGGAGCCTCTCCGCCCGGCAGCCACCCCGTCTGTGAAGCTGATGGGA
ACCACCCTGTAGAGGTCCATCTGCGTTCAGACCCAGACGATGCCAGAGCTATGACTGNGC
CTGCATGTGTGGCGCCGAGGGGAGATCATCCATGGAGCAGCCACAGGAGGAAGCCCCTGA
GGTCCCGGAAGAGGATGAGAAAGAGGAAGTGCAGACGCAGAAGGAGCCCCAGAGCTCAAT
GGGGGACCACAGGATGCACTTTCTTTCAGCAGCTACACAGACCTCTCCCGGAGCTCCTCG
NCACCCTCACTGCTGGACCAACTGCAGATGGACTGTGACGGGGCCTATGCGGCAGCCTCA
CATGGAGTGCCCGGCTGTGCCGGGACATGCATCGGACTTCACTACGGTGTTATGCATGTG
AGGGGCAAGG

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_006238 unedited
GGGCTCCGTTTGGTTNCNCCATTAATCTTCAACGTGNTNCGANCAGTNCTGGTGTCACAC
TATCTTATATTACAAAACACAGGCAGTCTGGGGCTCCTAGCAAAAATATACATTTCGAAT
TTTGGAGATTGTTCAGACACTGAGAAGAGCTGTATCCTCAGCACCAGACCCGGGTCGGGG
CAGGGACGCGGCATGTGGTCGGTGTGGGGGAGGTGGCCTCCACCTCTGTCCCTTCCTTTT
TTTTTTCTGCTGGTCCTCCTCCCCTCCTTCCTCCTCGGTCCGTGGTCGTCCCCGCCAATC
GTGCCGCCCCCTCCCGCCCCGTTCCTTCCCTGGGATGCTGCACCGCCCGTCCGGCGCCGG
GCTGGCCTCCTCTCCCCCTGGTCTTTTCTTTATGGCTCTCCGGCGCGGCGCGTCCCTGCC
CGCCCCCCGTCTCTTGCGTTCCGCCCCCTGCTTGTCGTCCCTGTGCGCCCCCGCTCCTGC
GTCCTTCGCCCCTGCCCCTGTTGTCGTGCATGTGGAATCCCCCGGCTTCGTCGTGCTTTT
CTCCTTCTGCCCNCGTCTGCCCTGCGCTGCTGTCCTTCGTCCGTCTCCCGTCCCTCTCTC
TTTCGCTCCTCCCTCTCCCGCGCCTTTTCTGTGCCCCCCCGGCCCCGCCCCGTTTCCCGC
GTGTTCGTCGTCCCCCTCGCGCGCGTGCTCATTGCCCCTCCTCCCCGTTCCACCGGGCGC
ATCCCCCGCGCTCTCGGTTCTCCCCGGCGCCTCCTTCGTTGCCGAGTTTTTGTCTCCCGG
CGCGTCCTCCTCCTTGTGTTCGTGTTCGCTTCCTTTTCGTGGATTTAGTGTTTCCGACCG
CTCGCCCCCCCTCTCGTCCCCTCCCCCTTCCTTCCCTTTCGGCGTTTCTCCCTGAACTCC
AGCTCGTTTTTTGCTCGGCGGCGCGCTTCCTTGTGCATATNTCTCTTTCTTTTTTGCTTG
GTCGTTCCCTCTCGCCCGCTTATTTTTCCCGTTTTCGCCTCGCCCGTTCCCG

Restriction Sites: NotI-NotI

ACCN: NM_006238

Insert Size: 4500 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 ORF of this clone has been fully sequenced and found to be a perfect match to NM_006238.2.

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_006238.2, NP_006229.1
RefSeq Size:	3328 bp
RefSeq ORF:	1326 bp
Locus ID:	5467
UniProt ID:	Q03181
Cytogenetics:	6p21.31
Domains:	HOLI, zf-C4
Protein Families:	Druggable Genome, Nuclear Hormone Receptor, Transcription Factors
Protein Pathways:	Acute myeloid leukemia, Pathways in cancer, PPAR signaling pathway, Wnt signaling pathway
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 (1) encodes the longest isoform (1). Both variants 1 and 3 encode the same isoform (1).