

Product datasheet for RC230008

PPAR delta (PPARD) (NM_001171819) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PPAR delta (PPARD) (NM_001171819) Human Tagged ORF Clone
Tag:	Myc-DDK
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)
ORF Nucleotide Sequence:	>RC230008 representing NM_001171819 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCACCAACGAGACCTCTCCGGAGCTCTCCGCCACCCTCACTGCTGGACCAACTGCAGATGGGCTGTG
ACGGGGCCTCATGCGGCAGCCTCAACATGGAGTGCCGGGTGTGCGGGGACAAGGCATCGGGCTTCCACTA
CGGTGTTTCATGCATGTGAGGGGTGCAAGGGCTTCTCCGTCGTACGATCCGCATGAAGCTGGAGTACGAG
AAGTGTGAGCGCAGCTGCAAGATTCAGAAGAAGAACCGAACAAGTGCCAGTACTGCCGCTTCCAGAAGT
GCCTGGCACTGGGCATGTACACAACGCTATCCGTTTTGGTTCGGATGCCGGAGGCTGAGAAGAGGAAGCT
GGTGGCAGGGCTGACTGCAAACGAGGGGAGCCAGTACAACCCACAGGTGGCCGACCTGAAGGCCTTCTCC
AAGCACATCTACAATGCCTACCTGAAAACTTCAACATGACCAAAAAGAAGGCCCGCAGCATCTCCACCG
GCAAAGCCAGCCACACGGCGCCCTTTGTGATCCACGACATCGAGACATTGTGGCAGGCAGAGAAGGGGCT
GGTGTGGAAGCAGTTGGTGAATGGCCTGCCTCCCTACAAGGAGATCAGCGTGCACGTCTTCTACCCTGC
CAGTGCACCACAGTGGAGACCGTGCGGGAGCTCACTGAGTTCGCCAAGAGCATCCCAGCTTCCAGCAGCC
TCTTCTCAACGACCAGGTTACCTTCTCAAGTATGGCGTGCACGAGGCCATCTTCGCCATGCTGGCCTC
TATCGTCAACAAGGACGGGCTGCTGGTAGCCAACGGCAGTGGCTTGTCAACCCGTGAGTTCCTGCCGAGC
CTCCGCAAACCTTCAGTGATATCATTGAGCCTAAGTTTGAATTTGCTCAAGTTCACGCCCTGGAAC
TTGATGACAGTGACCTGGCCCTATTATTGCGGCCATCTTCTGTGTGGAGACCGGCCAGGCTCATGAA
CGTTCCACGGGTGGAGGCTATCCAGGACACCATCCTGCGTGCCTCGAATTCACCTGCAGGCCAACCCAC
CCTGATGCCAGTACCTTCCCAAGCTGCTGCAGAAGATGGCTGACCTGCGGCAACTGGTACCAGGAGC
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CTACAAGGACATGTAC

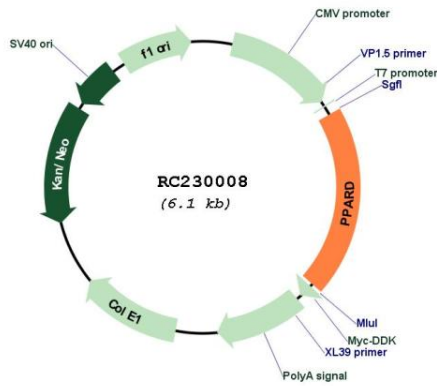
ACGCGTACGGGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



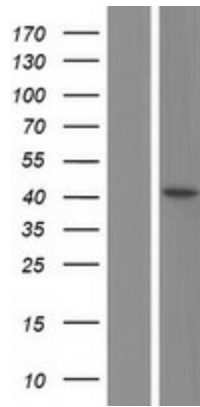
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Reconstitution Method:	<ol style="list-style-type: none">1. Centrifuge at 5,000xg for 5min.2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.3. Close the tube and incubate for 10 minutes at room temperature.4. Briefly vortex 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, NP_001165290.1</u>
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:	46.2 kDa
Gene Summary:	<p>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]</p>

Product images:



Circular map for RC230008



Western blot validation of overexpression lysate (Cat# [LY433008]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC230008 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).