

Product datasheet for RC219275

Delta Opioid Receptor (OPRD1) (NM_000911) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Delta Opioid Receptor (OPRD1) (NM_000911) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Delta Opioid Receptor
Synonyms:	DOP; DOR; DOR1; OPRD
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC219275 representing NM_000911 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAACCGGCCCTCCGCCGGCGCCGAGCTGCAGCCCCGCTCTTCGCCAACGCCTCGGACGCCTACC
CTAGCGCTGCCAGCGCTGGCGCAATGCGTCGGGGCCCGCAGGCGCGGAGCGCTCGTCCCTCGC
CCTGGCAATCGCCATCACCGCGCTCTACTCGGCCGTGTGCGCCGTGGGGCTGCTGGCAACGTGCTTGC
ATGTTCCGCATCGTCCGGTACACTAAGATGAAGACGGCCACCAACATCTACATCTCAACCTGGCCTTAG
CCGATGCGCTGGCCACCAGCAGCTGCCTTCCAGAGTGCCAAGTACCTGATGGAGACGTGGCCCTTCGG
CGAGCTGCTCTGCAAGGCTGTGCTCTCCATCGACTACTACAATATGTTACCCAGCATCTTACGCTCACC
ATGATGAGTGTTGACCGCTACATCGCTGTCTGCCACCCTGTCAAGGCCCTGGACTTCCGCACGCCTGCCA
AGGCCAAGCTGATCAACATCTGTATCTGGTCTGGCCTCAGGCGTTGGCGTGCCATCATGGTCATGGC
TGTGACCCGTCCCGGGACGGGGCAGTGGTGTGCATGCTCCAGTTCGCCAGCCAGCTGGTACTGGGAC
ACGGTGACCAAGATCTGCGTGTCTCTTCGCCTCGTGGTGCCCATCCTCATCATCACCGTGTGCTATG
GCCTCATGCTGCTGCGCTGCGCAGTGTGCGCTGCTGTGGGCTCCAAGGAGAAGGACCGCAGCCTGCG
GCGCATCACGCGCATGGTGTGGTGGTGTGGGCGCCTTCGTGGTGTGTGGGCGCCATCCACATCTTC
GTCATCGTCTGGACGCTGGTGGACATCGACCGGCGGACCCGCTGGTGGTGGCTGCGCTGCACCTGTGCA
TCGCGCTGGGCTACGCCAATAGCAGCCTCAACCCGCTGCTACGCTTTCCTCGACGAGAAGTCAAGCG
CTGCTTCCGCCAGCTCTGCCAAGCCCTGCGGCCGCCAGACCCAGCAGCTTACGCGCGCCCGCGAA
GCCACGGCCCGAGCGTGTACCCGCTGCACCCGTCGGATGGTCCCGCGGTGGCGCTGCCGCC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTAA



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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_000911.4](#)

RefSeq Size: 1774 bp

RefSeq ORF: 1119 bp

Locus ID: 4985

UniProt ID: [P41143](#)

Cytogenetics: 1p35.3

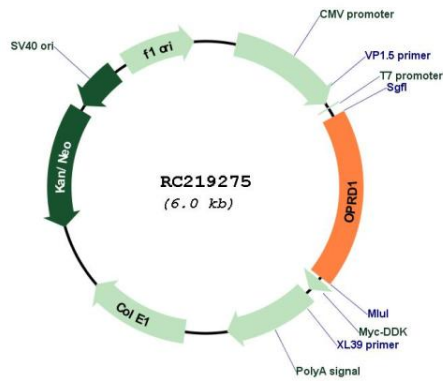
Protein Families: Druggable Genome, Transmembrane

Protein Pathways: Neuroactive ligand-receptor interaction

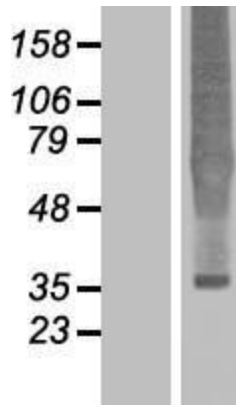
MW: 40.2 kDa

Gene Summary: G-protein coupled receptor that functions as receptor for endogenous enkephalins and for a subset of other opioids. Ligand binding causes a conformation change that triggers signaling via guanine nucleotide-binding proteins (G proteins) and modulates the activity of downstream effectors, such as adenylate cyclase. Signaling leads to the inhibition of adenylate cyclase activity. Inhibits neurotransmitter release by reducing calcium ion currents and increasing potassium ion conductance. Plays a role in the perception of pain and in opiate-mediated analgesia. Plays a role in developing analgesic tolerance to morphine. [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RC219275



Western blot validation of overexpression lysate (Cat# [LY400330]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC219275 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).