

Product datasheet for **SC300149**

Delta Opioid Receptor (OPRD1) (NM_000911) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Delta Opioid Receptor (OPRD1) (NM_000911) Human Untagged Clone
Tag:	Tag Free
Symbol:	Delta Opioid Receptor
Synonyms:	DOP; DOR; DOR1; OPRD
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene ORF sequence for NM_000911 edited
 ATGGAACCGCCCCCTCCGCCGGCGCCGAGCTGCAGCCCCGCTTTCGCCAACGCCTCG
 GACGCCTACCCTAGCGCCTGCCCCAGCGCTGGCGCCAATGCGTCGGGGCCGCCAGGCGCG
 CGGAGCGCCTCGTCCCTCGCCCTGGCAATCGCCATCACC GCGCTCTACTCGGCCGTGTGC
 GCCGTGGGGCTGCTGGGCAACGTGCTTGT CATGTTCCGGCATCGTCCGGTACACTAAGATG
 AAGACGGCCACCAACATCTACATCTTCAACCTGGCCTTAGCCGATGCGCTGGCCACCAGC
 ACGCTGCCTTTCCAGAGTGCCAAGTACCTGATGGAGACGTGGCCCTTCGGCGAGCTGCTC
 TGCAAGGCTGTGCTCTCCATCGACTACTACAATATGTTCAACAGCATCTTCACGCTCACC
 ATGATGAGTGTGACCGCTACATCGCTGTCTGCCACCCTGTCAAGGCCCTGGACTCCGC
 ACGCCTGCCAAGGCCAAGCTGATCAACATCTGTATCTGGGTCTGGCCTCAGGCGTTGGC
 GTGCCCATCATGGTCATGGCTGTGACCCGTCCCCGGGACGGGGCAGTGGTGTGCATGCTC
 CAGTTCGCCAGCCCCAGCTGGTACTGGGACACGGTGACCAAGATCTGCGTGTTCCTCTTC
 GCCTTCGTGGTGCCCATCCTCATCATCACC GTGTGCTATGGCCTCATGCTGCTGCGCCTG
 CGCAGTGTGCGCCTGCTGTGGGCTCCAAGGAGAAGGACCGCAGCCTGCGGCGCATCACG
 CGCATGGTGTGGTGGTGTGGGCGCCTTCGTGGTGTGTTGGGCGCCATCCACATCTTC
 GTCATCGTCTGGACGCTGGTGGACATCGACCGCGCGACCCGCTGGTGGTGGCTGCGCTG
 CACCTGTGCATCGCGCTGGGCTACGCCAATAGCAGCCTCAACCCCGTGTCTACGCTTTC
 CTCGACGAGAACTCAAGCGCTGCTTCCGCCAGCTCTGCCGCAAGCCCTGCGGCCGCCCA
 GACCCCAGCAGCTTCAGCCGCGCCCGCAAGCCACGGCCCGCGAGCGTGTACCGCCTGC
 ACCCCGTCCGATGGTCCCGCGGTGGCGCTGCCGCTGACTCGA



[View online »](#)

5' Read Nucleotide Sequence:	>OriGene 5' read for NM_000911 unedited TGGAAACCGGCCCCCTCCGCCGGCGCCGAGCTGCAGCCCCCGCTCTTCGCCAACGCCTCGG ACGCCTACCCTAGCGCCTGCCCCAGCGCTGGCGCCAATGCGTCCGGGGCCGCCAGGCGCGC GGAGCGCCTCGTCCCTCGCCCTGGCAATCGCCATACCCGCGCTCTACTCGGCCGTGTGCG CCGTGGGGCTGCTGGCAACGTGCTTGTATGTTTCGGCATCGTCCGGTACACTAAGATGA AGACGGCCACCAACATCTACATCTTCAACCTGGCCTTAGCCGATGCGCTGGCCACCAGCA CGCTGCCCTTCCAGAGTGCCAAGTACCTGATGGAGACGTGGCCCTTCGGCGAGCTGCTCT GCAAGGCTGTGCTCTCCATCGACTACTACAATATGTTACCAGCATCTTCACGCTACCA TGATGAGTGTGACCGCTACATCGCTGTCTGCCACCCTGTCAAGGCCCTGGACTTCCGCA CGCCTGCCAAGGCCAAGCTGATCAACATCTGTATCTGGGTCTGGCCTCAGGCGTTGGCG TGCCCATCATGGTCATGGCTGTGACCCGTCGCCGGGACGGGGCAGTGGTGTGCATGCTCC AGTTCCCCAGCCCCAGCTGGTACTGGGACACGGTGACCAAGATCTGCGTGTTCCTCTTCG CCTTCGTGGTGCCATCCTCATCATCACCGTGTGCTATGGCCTCATGCTGCTGCGCCTGC GCAGTGTGCGCCTGCTGTCGGGCTCCAG
Restriction Sites:	Please inquire
ACCN:	NM_000911
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 open reading frame of this TrueClone was fully sequenced and found to be a perfect match to the protein associated to this reference.
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:	NM_000911.3 , NP_000902.3
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

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]