

Product datasheet for **RN207915**

Cyp2g1 (NM_012787) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cyp2g1 (NM_012787) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Cyp2g1
Synonyms:	CYP11G1; P-450olf1; P450-OLF1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >RN207915 representing NM_012787
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGC**

ATGGCACTGGGAGGGCCTTCAGCATCTTTATGACGCTCTGCTTGTCTTGCTGCTCATCCTGATAGCTT
 GGAAGCGAACCAGCAGGGGAGGAAAGCTGCCTCCCGGCCCCACACCAATACCATTTTGGGGAACCTGTT
 ACAAGTACGCATTGATGCCACATTTTCAGTCCTTTCTGAAGCTCCAGAAAAAGTATGGCTCTGTGTTCAAC
 GTATACTTTGGCCCAAGGCCAGTGGTTATCTTATGTGGACATGAGGCAGTGAAGGAGGCCCTGGTGACC
 AGGCAGATGACTTCAGTGGTCTGGTGAATGCCTACACTAGAGAAGAACTTTCAAGGTTATGGTTAGC
 TCTGTCCAATGGAGAACGATGGAAGATTCTTCGGCGTTTTTCCCTGACTGTCCTTCGAACTTTGGAATG
 GGAAGCGAAGCATTGAGGAGCGGATCCAGGAGGAGGCCGGCTACCTACTGGAGGAACCTCATAAGGTCA
 AGGAGCTCCCATAGATCCACCTTCTACCTGAGTCGCACTGTGCTCAATGTCATCTGTTCCGTCGCTCTT
 TGGAAAACGTTTCGACTATGAGGACCAGCGTTTCCGGAGCCTCATGAAGATGATCAATGAGAGCTTTGTG
 GAGATGAGCATGCCCTGGGCACAGTTATATGATATGTACTGGGGAGTCATACAGTATTTTCCAGGAAGAC
 ACAACCGCTCTACAACCTTGATAGAAGAGCTTAAGGACTTCATTGCTTCCAGGGTCAAGATCAATGAAGC
 ATCCTTTGACCCCTCAAATCCTAGGGACTTCATCGACTGCTTTCTTATTAAGATGTACCAGGATAAAAGT
 GACCCACACTCAGAATTCACCTCAAGAACTTGGTTCTCACCACCCTCAACCTCTTCTTTGCTGGCACGG
 AAAGTGTGAGTTCCACACTACGATATGGATTCTTGTGCTAATGAAGTACCCCGAGGTGGAGGCCAAGAT
 CCATGAGGAGATTAACCAGGTGATTGGAACACACCGTACCCCAAGAGTGGATGACCGGGCCAAGATGCC
 TACACTGATGCTGTCATCCATGAGATACAGAGATTGACAGATATTGTGCCTCTGGGTGTTCCCATAAATG
 TCATACGGGACACTCATTTCCGAGGCTACTTCTACCCAAGGTACAGATGTGTATCCCTGATTGGCTC
 AGTCCTCAAAGATCCCAATACTTCGCTACCCAGAAAGCTTTTTATCCTCAGCACTTCTGGATGAACAA
 GGGCGCTTCAAGAAGAATGATGCCTTTGTGGCCTTTTCTCTGGAAGCGCATCTGTGTCGGGGAGGCC
 TGGCCCGTATGGAGCTCTTCTCTACTTACCTCCATCCTTCAGAGGTTCTCCTTACGTTCTCTGGTGCC
 TCCTGCTGATATCGACATCGCTCAGGCTTTGGCAACATCCCCCAACATATGAGCTCTGC
 TTCATGGCCCGCTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_012787
Insert Size: 1485 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).

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:	<u>NM_012787.2, NP_036919.1</u>
RefSeq Size:	1859 bp
RefSeq ORF:	1485 bp
Locus ID:	25251
UniProt ID:	<u>P10610</u>
Cytogenetics:	1q21
Gene Summary:	member of the p450II odorant-processing subfamily; may play a role in olfactory sensory reception [RGD, Feb 2006]