

Product datasheet for **RG216278**

CYP26A1 (NM_000783) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CYP26A1 (NM_000783) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	CYP26A1
Synonyms:	CP26; CYP26; P450RAI; P450RAI1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG216278 representing NM_000783
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGGGCTCCCGCGCTGCTGGCCAGTGCCTCTGCACCTTCGTGCTGCCGCTGCTGCTTCTCTGGCTG
 CGATCAAGCTCTGGACCTGTACTGCGTGAGCGGCCGCGACCGCAGTTGTGCCCTCCATTGCCCCCGG
 GACTATGGGCTTCCCCTTCTTTGGGAAACCTTCAGATGGTACTGCAGCGGAGGAAGTCTGCAGATG
 AAGCGCAGGAAATACGGCTTCATCTACAAGACGCATCTGTTGGGCGGCCACCCTACGGGTGATGGGCG
 CGGACAATGTGCGGCGCATCTTGCTCGGAGAGCACCGGCTGGTGTGGTCCACTGGCCAGCGTCGGTGC
 CACCATTCTGGGATCTGGCTGCCTCTAACCTGCAGACTCCTCGACAAGCAGCGCAAGAAGGTGATT
 ATGCGGGCCTTCAGCCGCGAGGCACTCGAATGCTACGTGCCGGTATCACCGAGGAAGTGGGCGAGCC
 TGGAGCAGTGGCTGAGCTGCGGCGAGCGGGCCTCCTGGTCTACCCCGAGGTGAAGCGCCTCATGTTCCG
 AATCGCCATGCGCATCTACTGGCTGCGAACCCAACTGGCGGGCGACGGGGACTCCGAGCAGCAGCTT
 GTGGAGGCCTTCGAGGAAATGACCCGCAATCTTCTCGCTGCCATCGACGTGCCCTTACGCGGCTGT
 ACCGGGGCATGAAGGCGCGGAACCTCATTACGCGCGCATCGAGCAGAACATTCCGCGCAAGATCTGCGG
 GCTGCGGGCATCCGAGGCGGGCCAGGGCTGCAAAGACGCGCTGCAGCTGTTGATCGAGCACTCGTGGGAG
 AGGGGAGAGCGGCTGGACATGCAGGCACTAAAGCAATCTCAACCGAACTCCTCTTTGGAGGACACGAAA
 CCACGGCCAGTGCAGCCACATCTCTGATCACTTACCTGGGGCTCTACCCACATGTTCTCCAGAAAGTGGC
 AGAAGAGCTGAAGAGTAAGGGTTACTTTGCAAGAGCAATCAAGACAACAAGTTGGACATGGAAATTTTG
 GAACAACCTAAATACATCGGGTGTGTTATTAAGGAGACCCTTCGACTGAATCCCCAGTTCAGGAGGGT
 TTCGGTTGCTCTGAAGACTTTTGAATTAATGGATACCAGATTCCCAAGGGCTGGAATGTTATCTACAG
 TATCTGTGATACTCATGATGTGGCAGAGATCTTACCAACAAGGAAGAATTTAATCCTGACCGATTCATG
 CTGCCTACCCAGAGGATGCATCCAGGTTGAGTTCATTCCATTTGGAGGAGGCCTTAGGAGCTGTGTAG
 GCAAAGAATTTGCAAAAATCTTCTCAAAAATTTACAGTGGAGCTGGCCAGGCATTGTGACTGGCAGCT
 TCTAAATGGACCTCCTACAATGAAAACAGTCCCACCGTGTATCTGTGGACAATCTCCCTGCAAGATTC
 ACCCATTTCCATGGGAAATC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG216278 representing NM_000783
 Red=Cloning site Green=Tags(s)

MGLPALLASALCTFVLP LLLFLAAIKLWDL YCVSGRDRSCALPLPPGTMGFPPFGETLQMVLRQRKFLQM
 KRRKYGF IYKTHLFRPTVRVMGADNVRRI LLGEHRLVSVHWPASVRTILGSGCLSNLHDS SHKQRKKVI
 MRAF SREALECYVPVITEEVGSSLEQWLS CGERGLLVYPEVKRMLFRIAMRILLGCEPQLAGDGDSEQQ
 VEA FEEMTRNLFSLPIDVPF SGLYRGMKARNLIHARIEQNIRAKICGLRASEAGQGCKDALQLLIEHSWE
 RGERLDMQALKQSSTELLFGGHETTASAATSLITYLGLYPHVLQKVREELKSKGLLCKSNQDNKLDMEIL
 EQLK YIGCVIKETLRLNPPVPGGFRVALKTFELNGYQIPKGNVVIYSICDTHDVAEIFTNKEEFNPD
 RFLPHPEDASRFSFIPFGGLRSCVGFKEFAKILLKIFTVELARHCDWQLLNGPPTMKTSP TVYPVDNL
 PARFTHFHGEI

TRTRPLE - GFP Tag - V

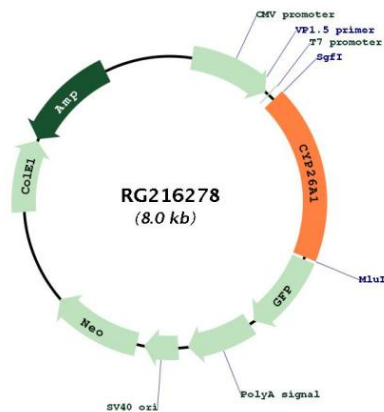
Restriction Sites:

Sgfl-MluI

RefSeq Size:	2099 bp
RefSeq ORF:	1494 bp
Locus ID:	1592
UniProt ID:	O43174
Cytogenetics:	10q23.33
Domains:	p450
Protein Families:	Druggable Genome, P450, Transmembrane
Protein Pathways:	Retinol metabolism
Gene Summary:	

This gene encodes a member of the cytochrome P450 superfamily of enzymes. The cytochrome P450 proteins are monooxygenases which catalyze many reactions involved in drug metabolism and synthesis of cholesterol, steroids and other lipids. This endoplasmic reticulum protein acts on retinoids, including all-trans-retinoic acid (RA), with both 4-hydroxylation and 18-hydroxylation activities. This enzyme regulates the cellular level of retinoic acid which is involved in regulation of gene expression in both embryonic and adult tissues. Two alternatively spliced transcript variants of this gene, which encode the distinct isoforms, have been reported. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RG216278