

Product datasheet for **RG214234**

CYP2A7 (NM_030589) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CYP2A7 (NM_030589) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	CYP2A7
Synonyms:	CPA7; CPAD; CYP2A; CYP11A7; P450-11A4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG214234 representing NM_030589 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCTGGCCTCAGGGCTGCTTCTGGTGGCCTTGGCTGGCCTGCCTGACTGTGATGGTCTTGATGTCTGTCT
GGCAGCAGAGGAAGAGCAGGGGGAAGCTGCCTCCGGGACCCACCCACTGCCCTTCATTGGAACTACCT
CCAGCTGAACACAGAGCACATATGTGACTCCATCATGAAGGTGTCCCAAGGCGTGGCGTTCAGCAACGGG
GAGCGCGCAAGCAGCTCCTGCGCTTTGCCATCGCCACCCTGAGGGACTTCGGGGTGGGCAAGCGAGGCA
TCGAGGAGCGCATCCAGGAGGAGTCGGGCTTCCCTCATCGAGGCCATCCGGAGCACGCACGGCGCCAATAT
CGATCCCACCTTCTTCTGAGCCGACAGTCTCCAATGTATCATGCTCCATTGTCTTTGGGACCGCTTT
GACTATGAGGACAAAGAGTTCCTGTCACTGCTGAGCATGATGCTAGGAATCTTCCAGTTCACGTCAACCT
CCACGGGGCAGCTCTATGAGATGTTCTTCTCGGTGATGAAACACCTGCCAGGACCACAGCAACAGGCCTT
TAAGTTGCTGCAAGGGCTGGAGGACTTCATAGCCAAGAAGGTGGAGCACAAACAGCGCACGCTGGATCCC
AATTCACACAGGACTTCATCGACTCCTTTCTCATCCACATGCAGGAGGAGGAGAAGAACCCCAACCGG
AGTTCTACTTGAAGAACCTGATGATGAGCACGTTGAACCTTTCATTGCAGGCACCGAGACGGTCAGCAC
CACCTGCGCTATGGCTTCTTGTGCTCATGAAGCACCCAGAGGTGGAGGCCAAGGTCCATGAGGAGATT
GACAGAGTGATCGGCAAGAACCAGCCAGCCCAAGTTTGGAGACCGACCAAGATGCCCTACATGGAGGCAG
TGATCCACGAGATCCAAAGATTTGGAGACGTGATCCCCATGAGTTTGGCCCGCAGGGTAAAAAGGACAC
CAAGTTTCGGGATTTTTTCTCCCTAAGGGCACCGAAGTGTTCCTATGCTGGGCTCCGTGCTGAGAGAC
CCCAGTCTTCTCCAACCTCAGGACTTCAATCCCCAGCATTTCTGGATGACAAGGGGAGTTTAAAGA
AGAGTGATGCTTTTGTGCCCTTTTCCATCGGAAAGCGGAACTGTTTGGGAGAAGGCTGGCCAGAATGGA
GCTTTTCTTCTTACCACCGTCATGCAGAACTTCCGCCTCAAGTCTCCAGTCACCTAAGGACATT
GACGTGTCCCCAACACGTGGTCTTGGCCAGATCCCACGAACTACACCATGAGCTTCTGCCCGC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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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_030589.2](#), [NP_085079.2](#)

RefSeq Size: 2128 bp

RefSeq ORF: 1332 bp

Locus ID: 1549

UniProt ID: [P20853](#)

Cytogenetics: 19q13.2

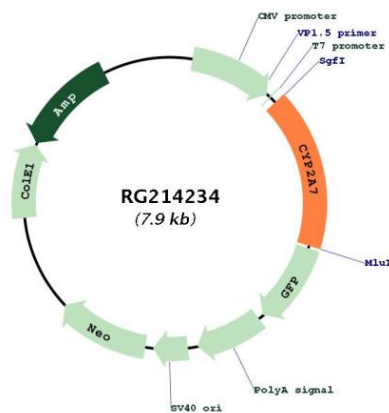
Domains: p450

Protein Families: Druggable Genome, P450, Transmembrane

Protein Pathways: Caffeine metabolism, Drug metabolism - cytochrome P450, Drug metabolism - other enzymes, Metabolic 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 protein localizes to the endoplasmic reticulum; its substrate has not yet been determined. This gene, which produces two transcript variants, is part of a large cluster of cytochrome P450 genes from the CYP2A, CYP2B and CYP2F subfamilies on chromosome 19q. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RG214234