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| **Gene Descriptions:** | |
| **NCBI GeneID** | [8856](http://www.ncbi.nih.gov/entrez/query.fcgi?db=gene&cmd=Retrieve&dopt=summary&list_uids=8856) |
| **GenBank Accession** | [NM\_022002](http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Search&db=Nucleotide&term=NM_022002) |
| **NCBI Protein Accession** | [NP\_071285](http://www.ncbi.nlm.nih.gov/entrez/viewer.fcgi?val=NP_071285) |
| **Species** | [Human](http://www.ncbi.nlm.nih.gov/Taxonomy/Browser/wwwtax.cgi?id=9606) |
| **Coding DNA Length** | 1422 |
| **Gene Description** | Homo sapiens nuclear receptor subfamily 1, group I, member 2 (NR1I2), transcript variant 2, mRNA. |

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| **Primer Pair Descriptions:** | | | | |
| **PrimerBank ID** | 148536877c1 |  |  |  |
| **Amplicon Size** | 196 |  |  |  |
|  | **Sequence** (5'  3') | **Length** | **Tm** | **Location** |
| **Forward Primer** | AAGCCCAGTGTCAACGCAG | 19 | 62.8 | 193-211 |
| **Reverse Primer** | GGGTCTTCCGGGTGATCTC | 19 | 61.1 | 388-370 |
| **Location in Coding Sequence** (primers and amplicon highlighted) | | | | |
| 1 atgacagtca ccaggactca ccacttcaag gaggggtccc tcagagcacc tgccataccc  61 ctgcacagtg ctgcggctga gttggcttca aaccatccaa gaggcccaga agcaaacctg  121 gaggtgagac ccaaagaaag ctggaaccat gctgactttg tacactgtga ggacacagag  181 tctgttcctg ga***aagcccag tgtcaacgca g*atgaggaag tcggaggtcc ccaaatctgc**  **241 cgtgtatgtg gggacaaggc cactggctat cacttcaatg tcatgacatg tgaaggatgc**  **301 aagggctttt tcaggagggc catgaaacgc aacgcccggc tgaggtgccc cttccggaag**  **361 ggcgcctgc*g agatcacccg gaagaccc***gg cgacagtgcc aggcctgccg cctgcgcaag  421 tgcctggaga gcggcatgaa gaaggagatg atcatgtccg acgaggccgt ggaggagagg  481 cgggccttga tcaagcggaa gaaaagtgaa cggacaggga ctcagccact gggagtgcag  541 gggctgacag aggagcagcg gatgatgatc agggagctga tggacgctca gatgaaaacc  601 tttgacacta ccttctccca tttcaagaat ttccggctgc caggggtgct tagcagtggc  661 tgcgagttgc cagagtctct gcaggcccca tcgagggaag aagctgccaa gtggagccag  721 gtccggaaag atctgtgctc tttgaaggtc tctctgcagc tgcgggggga ggatggcagt  781 gtctggaact acaaaccccc agccgacagt ggcgggaaag agatcttctc cctgctgccc  841 cacatggctg acatgtcaac ctacatgttc aaaggcatca tcagctttgc caaagtcatc  901 tcctacttca gggacttgcc catcgaggac cagatctccc tgctgaaggg ggccgctttc  961 gagctgtgtc aactgagatt caacacagtg ttcaacgcgg agactggaac ctgggagtgt  1021 ggccggctgt cctactgctt ggaagacact gcaggtggct tccagcaact tctactggag  1081 cccatgctga aattccacta catgctgaag aagctgcagc tgcatgagga ggagtatgtg  1141 ctgatgcagg ccatctccct cttctcccca gaccgcccag gtgtgctgca gcaccgcgtg  1201 gtggaccagc tgcaggagca attcgccatt actctgaagt cctacattga atgcaatcgg  1261 ccccagcctg ctcataggtt cttgttcctg aagatcatgg ctatgctcac cgagctccgc  1321 agcatcaatg ctcagcacac ccagcggctg ctgcgcatcc aggacataca cccctttgct  1381 acgcccctca tgcaggagtt gttcggcatc acaggtagct ga | | | | |

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| **Gene Descriptions:** | |
| **NCBI GeneID** | [8856](http://www.ncbi.nih.gov/entrez/query.fcgi?db=gene&cmd=Retrieve&dopt=summary&list_uids=8856) |
| **GenBank Accession** | [NM\_022002](http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Search&db=Nucleotide&term=NM_022002) |
| **NCBI Protein Accession** | [NP\_071285](http://www.ncbi.nlm.nih.gov/entrez/viewer.fcgi?val=NP_071285) |
| **Species** | [Human](http://www.ncbi.nlm.nih.gov/Taxonomy/Browser/wwwtax.cgi?id=9606) |
| **Coding DNA Length** | 1422 |
| **Gene Description** | Homo sapiens nuclear receptor subfamily 1, group I, member 2 (NR1I2), transcript variant 2, mRNA. |

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| **Primer Pair Descriptions:** | | | | |
| **PrimerBank ID** | 148536877c2 |  |  |  |
| **Amplicon Size** | 89 |  |  |  |
|  | **Sequence** (5'  3') | **Length** | **Tm** | **Location** |
| **Forward Primer** | TTGCCCATCGAGGACCAGAT | 20 | 62.9 | 916-935 |
| **Reverse Primer** | GTCTCCGCGTTGAACACTGT | 20 | 62.7 | 1004-985 |
| **Location in Coding Sequence** (primers and amplicon highlighted) | | | | |
| 1 atgacagtca ccaggactca ccacttcaag gaggggtccc tcagagcacc tgccataccc  61 ctgcacagtg ctgcggctga gttggcttca aaccatccaa gaggcccaga agcaaacctg  121 gaggtgagac ccaaagaaag ctggaaccat gctgactttg tacactgtga ggacacagag  181 tctgttcctg gaaagcccag tgtcaacgca gatgaggaag tcggaggtcc ccaaatctgc  241 cgtgtatgtg gggacaaggc cactggctat cacttcaatg tcatgacatg tgaaggatgc  301 aagggctttt tcaggagggc catgaaacgc aacgcccggc tgaggtgccc cttccggaag  361 ggcgcctgcg agatcacccg gaagacccgg cgacagtgcc aggcctgccg cctgcgcaag  421 tgcctggaga gcggcatgaa gaaggagatg atcatgtccg acgaggccgt ggaggagagg  481 cgggccttga tcaagcggaa gaaaagtgaa cggacaggga ctcagccact gggagtgcag  541 gggctgacag aggagcagcg gatgatgatc agggagctga tggacgctca gatgaaaacc  601 tttgacacta ccttctccca tttcaagaat ttccggctgc caggggtgct tagcagtggc  661 tgcgagttgc cagagtctct gcaggcccca tcgagggaag aagctgccaa gtggagccag  721 gtccggaaag atctgtgctc tttgaaggtc tctctgcagc tgcgggggga ggatggcagt  781 gtctggaact acaaaccccc agccgacagt ggcgggaaag agatcttctc cctgctgccc  841 cacatggctg acatgtcaac ctacatgttc aaaggcatca tcagctttgc caaagtcatc  901 tcctacttca gggac***ttgcc catcgaggac cagat*ctccc tgctgaaggg ggccgctttc**  **961 gagctgtgtc aactgagatt caac*acagtg ttcaacgcgg agac***tggaac ctgggagtgt  1021 ggccggctgt cctactgctt ggaagacact gcaggtggct tccagcaact tctactggag  1081 cccatgctga aattccacta catgctgaag aagctgcagc tgcatgagga ggagtatgtg  1141 ctgatgcagg ccatctccct cttctcccca gaccgcccag gtgtgctgca gcaccgcgtg  1201 gtggaccagc tgcaggagca attcgccatt actctgaagt cctacattga atgcaatcgg  1261 ccccagcctg ctcataggtt cttgttcctg aagatcatgg ctatgctcac cgagctccgc  1321 agcatcaatg ctcagcacac ccagcggctg ctgcgcatcc aggacataca cccctttgct  1381 acgcccctca tgcaggagtt gttcggcatc acaggtagct ga | | | | |

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| **Gene Descriptions:** | |
| **NCBI GeneID** | [1576](http://www.ncbi.nih.gov/entrez/query.fcgi?db=gene&cmd=Retrieve&dopt=summary&list_uids=1576) |
| **GenBank Accession** | [AJ563377](http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Search&db=Nucleotide&term=AJ563377) |
| **NCBI Protein Accession** | [CAD91345](http://www.ncbi.nlm.nih.gov/entrez/viewer.fcgi?val=CAD91345) |
| **Species** | [Human](http://www.ncbi.nlm.nih.gov/Taxonomy/Browser/wwwtax.cgi?id=9606) |
| **Coding DNA Length** | 1062 |
| **Gene Description** | cytochrome P450 [Homo sapiens]. |

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| **Primer Pair Descriptions:** | | | | |
| **PrimerBank ID** | 30840241a3 |  |  |  |
| **Amplicon Size** | 124 |  |  |  |
|  | **Sequence** (5'  3') | **Length** | **Tm** | **Location** |
| **Forward Primer** | CACGAGCAGTGTTCTCTCCTT | 21 | 61.7 | 477-497 |
| **Reverse Primer** | CACAGTATCATAGGTGGGTGGT | 22 | 60.9 | 600-579 |
| **Location in Coding Sequence** (primers and amplicon highlighted) | | | | |
| 1 atggatctca ttccaaactt tgccatggaa acatgggttc ttgtggctac cagcctggta  61 ctcctctata tcgtctttgg ggcctacagc atggatgtga tcactagcac atcatttgga  121 gtgaacatcg actctctcaa caatccacaa gacccctttg tggaaaacac caagaagctt  181 ttaagatttg attttttgga tccattcttt ctctcaataa cagtctttcc attcctcatc  241 ccaattcttg aagtattaaa tatctgtgtg tttccaagag aagttacaaa ttttttaaga  301 aaatctgtaa aaaggatgaa agaaagtcgc ctcgaagata cacaaaagca ccgagtggat  361 ttccttcagc tgatgattga ctctcagaat tcaaaagaaa ctgagtccca caaagctctg  421 tccgatctgg agctcgtggc ccaatcaatt atctttattt ttgctggcta tgaaac***cacg***  ***481 agcagtgttc tctcctt*cat tatgtatgaa ctggccactc accctgatgt ccagcagaaa**  **541 ctgcaggagg aaattgatgc agttttaccc aataaggc*ac cacccaccta tgatactgtg***  601 ctacagatgg agtatcttga catggtggtg aatgaaacgc tcagattatt cccaattgct  661 atgagacttg agagggtctg caaaaaagat gttgagatca atgggatgtt cattcccaaa  721 ggggtggtgg tgatgattcc aagctatgct cttcaccgtg acccaaagta ctggacagag  781 cctgagaagt tcctccctga aagattcagc aagaagaaca aggacaacat agatccttac  841 atatacacac cctttggaag tggacccaga aactgcattg gcatgaggtt tgctctcatg  901 aacatgaaac ttgctctaat cagagtcctt cagaacttct ccttcaaacc ttgtaaagaa  961 acacagatcc ccctgaaatt aagcttagga ggacttcttc aaccagaaaa acccgttgtt  1021 ctaaaggttg agtcaaggga tggcaccgta agtggagcct ga | | | | |

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| **Gene Descriptions:** | | | | | | |
| **NCBI GeneID** | [1576](http://www.ncbi.nih.gov/entrez/query.fcgi?db=gene&cmd=Retrieve&dopt=summary&list_uids=1576) | | | | | |
| **GenBank Accession** | [NM\_017460](http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Search&db=Nucleotide&term=NM_017460) | | | | | |
| **NCBI Protein Accession** | [NP\_059488](http://www.ncbi.nlm.nih.gov/entrez/viewer.fcgi?val=NP_059488) | | | | | |
| **Species** | [Human](http://www.ncbi.nlm.nih.gov/Taxonomy/Browser/wwwtax.cgi?id=9606) | | | | | |
| **Coding DNA Length** | 1512 | | | | | |
| **Gene Description** | cytochrome P450, subfamily IIIA, polypeptide 4; nifedipine oxidase; P450-III, steroid inducible; glucocorticoid-inducible P450; | | | | | |
| **Primer Pair Descriptions:** | | | | | | |
| **PrimerBank ID** | | | 13435386a1 |  |  |  |
| **Amplicon Size** | | | 272 |  |  |  |
|  | | | **Sequence** (5'  3') | **Length** | **Tm** | **Location** |
| **Forward Primer** | | | GTGGGGCTTTTATGATGGTCA | 21 | 60 | 213-233 |
| **Reverse Primer** | | | GCCTCAGATTTCTCACCAACACA | 23 | 62.6 | 484-462 |
| **Location in Coding Sequence** (primers and amplicon highlighted) | | | | | | |
| 1 atggctctca tcccagactt ggccatggaa acctggcttc tcctggctgt cagcctggtg  61 ctcctctatc tatatggaac ccattcacat ggacttttta agaagcttgg aattccaggg  121 cccacacctc tgcctttttt gggaaatatt ttgtcctacc ataagggctt ttgtatgttt  181 gacatggaat gtcataaaaa gtatggaaaa gt***gtggggct tttatgatgg tca*acagcct**  **241 gtgctggcta tcacagatcc tgacatgatc aaaacagtgc tagtgaaaga atgttattct**  **301 gtcttcacaa accggaggcc ttttggtcca gtgggattta tgaaaagtgc catctctata**  **361 gctgaggatg aagaatggaa gagattacga tcattgctgt ctccaacctt caccagtgga**  **421 aaactcaagg agatggtccc tatcattgcc cagtatggag a*tgtgttggt gagaaatctg***  ***481 aggc***gggaag cagagacagg caagcctgtc accttgaaag acgtctttgg ggcctacagc  541 atggatgtga tcactagcac atcatttgga gtgaacatcg actctctcaa caatccacaa  601 gacccctttg tggaaaacac caagaagctt ttaagatttg attttttgga tccattcttt  661 ctctcaataa cagtctttcc attcctcatc ccaattcttg aagtattaaa tatctgtgtg  721 tttccaagag aagttacaaa ttttttaaga aaatctgtaa aaaggatgaa agaaagtcgc  781 ctcgaagata cacaaaagca ccgagtggat ttccttcagc tgatgattga ctctcagaat  841 tcaaaagaaa ctgagtccca caaagctctg tccgatctgg agctcgtggc ccaatcaatt  901 atctttattt ttgctggcta tgaaaccacg agcagtgttc tctccttcat tatgtatgaa  961 ctggccactc accctgatgt ccagcagaaa ctgcaggagg aaattgatgc agttttaccc  1021 aataaggcac cacccaccta tgatactgtg ctacagatgg agtatcttga catggtggtg  1081 aatgaaacgc tcagattatt cccaattgct atgagacttg agagggtctg caaaaaagat  1141 gttgagatca atgggatgtt cattcccaaa ggggtggtgg tgatgattcc aagctatgct  1201 cttcaccgtg acccaaagta ctggacagag cctgagaagt tcctccctga aagattcagc  1261 aagaagaaca aggacaacat agatccttac atatacacac cctttggaag tggacccaga  1321 aactgcattg gcatgaggtt tgctctcatg aacatgaaac ttgctctaat cagagtcctt  1381 cagaacttct ccttcaaacc ttgtaaagaa acacagatcc ccctgaaatt aagcttagga  1441 ggacttcttc aaccagaaaa acccgttgtt ctaaaggttg agtcaaggga tggcaccgta  1501 agtggagcct ga | | | | | | |