

Product datasheet for **SC321730**

Cytochrome p450 2J2 (CYP2J2) (NM_000775) Human Untagged Clone

Product data:

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| Product Type: | Expression Plasmids |
| Product Name: | Cytochrome p450 2J2 (CYP2J2) (NM_000775) Human Untagged Clone |
| Tag: | Tag Free |
| Symbol: | Cytochrome p450 2J2 |
| Synonyms: | CPJ2; CYP1I2 |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-AC (PS100020) |
| E. coli Selection: | Ampicillin (100 ug/mL) |



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Fully Sequenced ORF: >OriGene sequence for NM_000775.2
 CCACGCGTCCGCGCCGCTTGGACCGCAGAAGAGCAGGAGGACGCTGAGCCATGCT
 CGCGGCGATGGGCTCTCTGGCGGCTGCCCTCTGGGCAGTGGTCCATCCTCGGACTCTCT
 ACTGGGCACTGTGCGCTTCTGCTCGTGTGACTTTCTCAAAGACGGCGCCAAAGAA
 CTACCCGCGGGGCCCTGGCGCTGCCCTTCTTGGCACTTCTCCTTGTGGACTTCGA
 GCAGTCGCACCTGGAGGTTGAGTGTGTTGTGAAGAAATATGGGAACCTTTTAGCTTGA
 GCTTGGTACATATCTGCAGTTCTTATTACTGGCTTGCCTTAATCAAAGAAGCCCTTAT
 CCACATGGACAAAACCTTGGGAACCGCCCGTGACCCCTATGCGAGAACATATCTTTAA
 GAAAAATGGATTGATTATGTCAAGTGGCCAGGCATGGAAGGAGCAAAGAAGGTTCACTCT
 GACAGCACTAAGGAACCTTGGTTTAGGAAAAGAAGCTTAGAGGAACGCATTGAGGAGGA
 GGCCCAACACCTCACTGAAGCAATAAAAGAGGAGAACGGACAGCCTTTTGACCCTCATT
 CAAGATCAACAATGCAGTTTCCAATATCATTGCTCCATCACCTTCGGAGAACGCTTTGA
 GTACCAGGATAGTTGGTTTTCAGCAGCTGCTGAAGTTACTAGATGAAGTCACATACTGGA
 GGCTTCAAAGACATGCCAGCTCTACAATGTCTTCCATGGATAATGAAATTCCTGCCTGG
 ACCCCACCAAACCTCTTTCAGCAACTGGAAAAACTGAAATTGTTTGTCTCATATGAT
 TGACAAACACAGAAAGGATTGGAATCCTGCAGAAACAAGAGACTTATTGATGCTTACCT
 TAAAGAAATGTCAAAGCACACAGCAATCCTACTTCAAGTTTCCATGAAGAAAACCTCAT
 CTGCAGCACCTGGACCTTCTTTGCCGGAACCGAGACAACCTCCACAACCTGCGGATG
 GGCTCTGCTTTATATGGCCCTCTACCCAGAAATCCAAGAAAAAGTACAAGCTGAGATTGA
 CAGAGTGATTGGCCAGGGGCAGCAGCCGAGCACAGCCGCCCGGGAGTCCATGCCCTACAC
 CAATGCTGTATCCATGAGGTGCAGAGAATGGGCAACATCATCCCCTGAACGTTCCCAG
 GGAAGTGACAGTTGATACCACTTGGCTGGTACCACCTGCCAAGGGTACCATGATCCT
 GACCAATTTGACGGCGCTGCACAGGGACCCACAGAGTGGGCCACCCCTGACACATTCAA
 TCCGGACCATTTTCTGGAGAATGGACAGTTTAAGAAAAGGGAAGCCTTTATGCCTTCTC
 AATAGGAAAGCGGCATGCCTCGGAGAACAGTTGGCCAGGACTGAGCTGTTTATTTTCTT
 CACTTCCCTTATGCAAAAATTTACCTTCAGGCCCCCAAACAATGAGAAGCTGAGCCTGAA
 GTTTAGAATGGGTATCACCATTTCCCCAGTCAGTCACCGCCTCTGCGCTGTTCTCAGGT
 GTAATATTGTTAAGAAAGAAAGGGCAAGGAAAGTAAGAAGACATGGCACGTGTTCTGAA
 ACCACTGGTGTCTGCTCAGATGTGTTGGGACAAAATGAAAGTGACTTTCAAGAAAGATCA
 GAGGAATTTGACTCAGAGAAAAC TAGATCCAAATCCCAGCTCTACTGTCTCGTCCGAATT
 AGCCTTGGGAAAATCATTATATGCTAAATAATTTACCTTTTTATCTAGGAGATGAAAAG
 AGGATAATGTTTCTTCCATAAAGAAAGTTCTTGTGAAGAATCAAAGAAATGGTGAGCTT
 TAAGTGGTTTGTAAACCATAAAACACATCATAAAAGTTCTATCTATAAAAAAAAAAAAAA
 AAAAAAAAAA

Restriction Sites: Please inquire

ACCN: NM_000775

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: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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).

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| 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_000775.2 , NP_000766.2 |
| RefSeq Size: | 1876 bp |
| RefSeq ORF: | 1509 bp |
| Locus ID: | 1573 |
| UniProt ID: | P51589 |
| Cytogenetics: | 1p32.1 |
| Domains: | p450 |
| Protein Families: | Druggable Genome, P450, Transmembrane |
| Protein Pathways: | Arachidonic acid metabolism, Linoleic acid metabolism, Metabolic pathways |
| Gene Summary: | <p>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 and is thought to be the predominant enzyme responsible for epoxidation of endogenous arachidonic acid in cardiac tissue. Multiple transcript variants have been found for this gene. [provided by RefSeq, Jan 2016]</p> <p>Transcript Variant: This variant (1) is the protein-coding transcript.</p> |