

Product datasheet for **SC324207**

CYB5D2 (NM_144611) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CYB5D2 (NM_144611) Human Untagged Clone
Tag:	Tag Free
Symbol:	CYB5D2
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_144611.2
 GTGGCTCACGCTGTAATCCCAGCACTTTGGGAGGCCGAGACGGGTGGATCACCTGAGGT
 CAGGAGTTCGAGACCAGCCTGACCAACGTGGTGAACCTGTCTCTACTAAATACAAAT
 ATTAGCCGGACGTGGGGGCGCTGCCTGTAATCCCAGCTACTTGGGAGGCTGAGGCAGGA
 GAATCGCTTGAACCCGGGAGGCGGAGGTTGCAGTGAGCCGAGATTCCGCCAGTGCCTCC
 AGCCTGGACAACAAGAGCTAAACTCTGTCTCAGAAAAAAAAAAAAAGTACCTGGAAA
 AAGTCGAGACAGCGAGCTTTTCGCCAGTGCCAGGAATACAGATAAACGAGAGAGACTA
 AGGGAGGGAGCGCGAGCACTAGCGCGGAGAGAGAGAGCGAGAGCGCGCGCGCCGATGAC
 GTCACGCTCGGCGTCTCGGCCATCTTAGCTGTAGATAGAGGCGGCAACCTCGGAAGTGCG
 GAGCGGGTGGGCTATATAGATGTTGAGGTGCGGAGGCCGTGGGCTTTTGTGGGCTGG
 CTGTAGCCGAGCAGCGGTAATGGCAGCACGGCTTATGGGCTGGTGGGGTCCCCGCGCTG
 GCTTTGCGCTTTTCATACCGGAGGAGCTGTCTCGCTACCGCGCGGCCAGGGGACCCGG
 GCCTGTACTTGGCGTTGCTCGGCCGTGTCTACGATGTCTCCTCCGGCCGAGGCACTACG
 AGCCTGGGTCCCACTATAGCGGCTTCGAGGCCGAGACGCATCCAGAGCTTTCGTACCG
 GGGACTGTTCTGAAGCAGGCCTCGTGGATGACGTATCCGACCTGTCAGCCGCTGAGATGC
 TGACACTTCACAATTGGCTTTTATTCTATGAGAAGAAATTATGTGTGTGTTGGGAGGGTGA
 CAGGACGGTTCTACGGAGAGGATGGGCTGCCCACCCCGGCACTGACCCAGGTAGAAGCTG
 CGATCACCAGAGGCTTGGAGGCCAACAACTACAGCTGCAAGAGAAGCAGACATTCGCCG
 CGTGCAACGCGGAGTGGAGCTCAGCCAGGGGAGCCGGCTCTGGTGCTCCAGAAAGAGTG
 GAGGTGTGAGCAGAGACTGGATTGGCGTCCCCAGGAAGCTGTATAAGCCAGGTGCTAAGG
 AGCCCCGCTGCGTGTGTGTGAGAACCACCGCCCCCTAGTGGCCAGATGCCGGACAACC
 CTCCACACAGAAATCGTGGGGACCTGGACCACCCAACTTGGCAGAGTACACAGGCTGCC
 CACCGTAGCCATCACATGCTCCTTTCCACTCTAAGCCGTAGCCTCTTCTGTTAATAACA
 CACAGAGAGCTCTGCCAAGCACCTGAGTAGGCCCTTGACACTTGTGTGCCCTGGGATGCC
 TCCTGGCGCAATCAGGAGGTTCTGGAAGGACTCTGGCTATATTCTGCAATGTGGCTCA
 TGCCCCCTTACCGTGGCTCGGCGTTGTGGTGCTGAGGGACAGCCGGCCACCTGCCAGTA
 CTGGTCAGCTTTTCAACACTATTCCTTTGACCTACTGGCCATCTTCTCACAGCCCTCA
 GATATCAACGGGCACAAATAAGACCAACTCAATTTCCACTTGAATTTACAACCAAAAGCC
 TGCTGAGTTGATTACAGCTGGGCCAATACAGTACGAGGCAATAACAAATTAGTGTGGGTT
 GATTCTGGAATTGAAAAGCTTTTGTCTGTATGGATACAGCAATCCAGATGTCTCTGAA
 CAAAGCAACAATTTAAAGCAACGACATTTCTGTCTTTAAGCACTTAAATCAGGTGTG
 GTGTGTTTTCAAAGGCAGAAAGTCTGCATTTTGAAGCAAAAGGTGGCTTCCAGCTCTAACA
 AGGTAAGTGGTTAGCATGACATTAAGGCTTGGGCAAGGCTTCAAACCTTAAAAAAAAAAAA
 AA

Restriction Sites: ECoRI-NOT

ACCN: NM_144611

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).

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_144611.2, NP_653212.1</u>
RefSeq Size:	1971 bp
RefSeq ORF:	795 bp
Locus ID:	124936
UniProt ID:	<u>Q8WUJ1</u>
Cytogenetics:	17p13.2
Domains:	heme_1
Protein Families:	Druggable Genome, Transmembrane
Gene Summary:	Heme-binding protein which promotes neuronal but not astrocyte differentiation. [UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (1) represents the longest transcript and encodes the longer isoform (1).