

Product datasheet for **SC120753**

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:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC120753 sequence for NM_144611 edited (data generated by NextGen Sequencing) ATGTTGAGGTGCGGAGGCCGTGGGCTTTTGTGGGCCTGGCTGTAGCCGACGAGCGGTA ATGGCAGCACGGCTTATGGGCTGGTGGGGTCCCCGCGCTGGCTTTTCGCCTTTTCATACCG GAGGAGCTGTCTCGCTACCGCGGCGGCCAGGGGACCCGGGCCTGTACTTGGCGTTGCTC GGCCGTGTCTACGATGTGTCTCCGGCCGGAGGCACTACGAGCCTGGGTCCCACTATAGC GGCTTCGCAGGCCGAGACGCATCCAGAGCTTTCGTGACCGGGGACTGTTCTGAAGCAGGC CTCGTGGATGACGTATCCGACCTGTGAGCCGCTGAGATGCTGACACTTCACAATTGGCTT TCATTCTATGAGAAGAATTATGTGTGTGTTGGGAGGGTGACAGGACGGTTCTACGGAGAG GATGGGCTGCCACCCCGGCACTGACCCAGGTAGAAGCTGCGATCACCAGAGGCTTGGAG GCCAACAACTACAGCTGCAAGAGAAGCAGACATTCCCGCCGTGCAACGCGGAGTGGAGC TCAGCCAGGGGCAGCCGGCTCTGGTGCTCCAGAGAAGAGTGAGGAGGTGTGAGCAGAGACTGG ATTGGCGTCCCCAGGAAGCTGTATAAGCCAGGTGCTAAGGAGCCCGCTGCGTGTGTGTG AGAACCACCGGCCCCCTAGTGGCCAGATGCCGACAACCCTCCACACAGAAATCGTGGG GACCTGGACCACCAAACCTTGGCAGAGTACACAGGCTGCCACCGCTAGCCATCAGATGC TCCTTTCCACTCTAA

Clone variation with respect to NM_144611.3



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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_144611 unedited
 NGGGGTGCCTATTAGGTATACGACTCACTATAGGCGGCCGGAATTCGCACGAGGCGTG
 CCTGTAATCCCAGCTACTTGGGAGGCTGAGGCAGGAGAATCGCTTGAACCGGGAGGCGG
 AGGTTGCAGTGAGCCGAGATTCCGCCAGTGCCTCCAGCTGGACAACAAGAGCTAAAAC
 TCTGTCTCAGAAAAAAAAAAGTACCTGGAAGTGCAGACAGCGAGCTTTTCGCC
 AGTGCCAGGAATACAGATAAACGAGAGAGACTAAGGGAGGGAGCGGAGCACTAGCGCG
 CGAGAGAGAGAGCGAGAGCGCGCGCGGATGACGTACGCTCGGCGTCTCGGCCATCTT
 AGCTGTAGATAGAGGCGCAACCTCGGAAGTGCAGAGCGGGTGGGCTATATAGATGTTG
 AGGTGCGGAGGCGTGGGCTTTTGTGGGCTGGCTGTAGCCGACGAGCGGTAATGGCA
 GCACGGCTTATGGGCTGGTGGGGTCCCCGCGCTGGCTTTTCGCTTTTCATACCGAGGAG
 CTGTCTCGCTACCGCGCGGCCAAGGGACCCGCGCTGTACTTGGCGTTGCTCGGCCGT
 GTCTACCATGTGTCTCCGGCCGAGGCACTTCGAGCCCTGGTCCCACTATAGCGGCTTT
 GCAGGCCGAGACGATTACAGCTTTCTGACCGGGGACTGTTCTGAAACAGGCCTCGTG
 GATGACCTATTCGACCTCGTCGCGCTGGCATGCTGACCTTTCCCACTTGGTTTTATTCT
 ATAAAAAAAAATTTTCTGTTTTGGAAGGTGTAAAGACCGGTCTTCGGTAGGATGGGCTG
 GCCCACCGGCTCTTGACCCAGGAGAACTCGGAATCACCCAGTTTGGGGGCCACAAC
 TCCACCT

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_144611 unedited
 TCTGTGAACCGCGCGCCGCTATCTAGGATCGAGTTTTTTTTTTTTTTAAGTTTGAA
 GCCTTGCCCAAGCTTTAATGTCATGCTAACCAGTTACCTTGTTAGAGCTGGGAAGCCACC
 TTTTGCTCAAAATGCAGACTTCTGCCTTTGAAAACACACCACCTGATTTTAAGTGCTT
 AAAGGACAGAAAATGTCGTTGCTTTAAATTGTTGCTTTGTTGAGAGACATCTGGATTGCT
 TGTATCCATACAAGCAAAAGCTTTTCCAATTCCAGAATCAACCCACACTAATTTGTTATT
 GCCTCGTACTGTATTGGCCAGCTGTAATCAACTCAGCAGGCTTTTGTTGTAATTCAA
 GTGGAATTGAGTTGGTCTTATTTGTGCCGTTGATATCTGAGGGCTGTGAGGAAGATGG
 CCAGTAGGTCAAAGGGAATAGTGTGAAAAGCTGACCAGTACTGGGCAGGTGGCCGCTG
 TCCCTCAGGCACCACAACGCCGAGCCACGGTAAGGGGATGAGCCACATTTGCAGAATAT
 AGCCAGAGTCTTCCAGAACCTCCTGATTCGCGCCAGGAGGCATCCAGGGCACACAAGT
 GTCAAGGGCCTACTCAGGTGCTTGGCAGAGCTCTCTGTGTATTAAACAGAAGAGGCTA
 CGGCTTAGAGTGGAAGGAGCATGTGATGGCTAGCGGTGGGCAGCCTGTGTACTTGCCA
 AGTTTGGGTGGTCCAGGTCCCCACGATTCTGTGTGGAGGTTGTCCGGCATCTGGCCAC
 TAGGGGGGCCGGTGGGTCTCACACACGACGCGGGGCTTCTAGCACCTGGCTTAACAG
 CTTTCTGGGGACCAATCCATTCTCTGCTCCACCTCCCTCTTTGGGAGCACCAGAACGG
 CTGCCCCNCTGAGCTCCACTCCGCGTGCCCGCGGAATGTTGCTTCTTTGGG

Restriction Sites:

ECORI-NOT

ACCN:

NM_144611

Insert Size:

1700 bp

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).

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).