

Product datasheet for **SC317880**

CYB5R4 (NM_016230) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CYB5R4 (NM_016230) Human Untagged Clone
Tag:	Tag Free
Symbol:	CYB5R4
Synonyms:	cb5/cb5R; dj676j13.1; NCB5OR
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >SC317880 representing NM_016230.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAATACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGCATCGCC
ATGCTGAACGTCCCTTCCAGTCTTTCCCGCCCCAGGTGCAGCAGCGTGTGCCTCCGGGGGGCGT
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CTAACGGGATTAAGGCAGGTTAATTGAAGTAACTGAAGAAGAACTTAAGAAACACAACAAAAAGAT
GATTGTTGGATATGCATAAGAGGTTTCGTTTATAATGTCAGCCCTTATATGGAGTATCATCCTGGTGA
GAAGATGAACTAATGAGAGCAGCAGGATCAGATGGTACTGAACTTTTGTACAGGTTTCATCGTTGGGTC
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GACAAATCCAAGTTCTCGTCTGCATTTGTGGACCAGTGCCATTTACAGAAACAGGAGTAAGGTTGCTG
CATGATCTCACTTTTCCAAAAATGAGATCCATAGTTTTACAGCATAA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
  
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- Restriction Sites:** SgfI-MluI
- ACCN:** NM_016230
- Insert Size:** 1566 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).
- 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:	<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_016230.3
RefSeq Size:	2259 bp
RefSeq ORF:	1566 bp
Locus ID:	51167
UniProt ID:	Q7L1T6
Cytogenetics:	6q14.2
Domains:	heme_1, NAD_binding_1, FAD_binding_6, CS
Protein Families:	Druggable Genome
MW:	59.5 kDa
Gene Summary:	NCB5OR is a flavohemoprotein that contains functional domains found in both cytochrome b5 (CYB5A; MIM 613218) and CYB5 reductase (CYB5R3; MIM 613213) (Zhu et al., 1999 [PubMed 10611283]).[supplied by OMIM, Jan 2010]