

Product datasheet for SC321980

CYB5RL (NM_001031672) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CYB5RL (NM_001031672) Human Untagged Clone
Tag:	Tag Free
Symbol:	CYB5RL
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene sequence for SC321980 <pre> GGAAAATCCTCACGTGAGGTGAAGCGCAGGCGAGTAGGGCCAGACATGGTGGCTCATGCC TGTAATCTCAGCACTTTGGGAGACTGAGATGAGAAGATCACTTGAGGCCAGGAGTTCGAG ACCAGACTGGCAACATAGTGAGACCCTGTCTCTACAAAATGCTGGCCAAGGAGCAGGGCC TGCGCCCGTGGTCTCATAGAGCCTGGCCTGTTCTGGAAGAGCACCCAGTTGTTCTTCTA GGCTGCCCAAGCCCCACTGATGATGGCTGAGAGGGAAGAGGACGACGACACTGAGGAAGC CTGGATGCAGCTACGGCCACAGAACCCTTGCCTTCCAGTGCTGCGGCAGTGGCTGCTC ACCCTGTGTGTTTGACCTCTATCACCGAGATCTGGCAAGGTGGGAGGCAGCCCAAGCCAG CAAGGACAGGAGCCTGCTGCGTGGGCCAGAGTCACAGAGCTGCCCTCCAAGCTGAACCC AGAGACCTTCGTGGCCTTCTGCATCATTGCCATGGACAGGCTCACTAAGGACACCTACCG TGTCCGTTTGTCTACCCGGGAACAGCCAGCTTGGCCTGCGGCCCGCCAGCACCTCAT CCTACGGTACACTCAGAGGGATAGTAGATGACTTAGAAAATTCAGAGAGCCTATACGCCCA TCAGCCCTGCCAACGCAGAAGGATACTTTGAAGTGTTAATTAAGATGAAGAACTGAAGC TCAAAAAGATGACATCATTTGTCTCAAGGCCTCTGGGTAATATGATCCAAATGGAAGGA CAAAAGTTCAGTGTCAGTTCTGTTTACAAGTATGTATTAACATTTACTCTGTGCCAA AAAAAAAAAAAA </pre>

Restriction Sites: Please inquire

ACCN: NM_001031672

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.



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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_001031672.1, NP_001026842.1</u>
RefSeq Size:	852 bp
RefSeq ORF:	327 bp
Locus ID:	606495
UniProt ID:	<u>Q6IPT4</u>
Cytogenetics:	1p32.3
Gene Summary:	NADH-cytochrome b5 reductases are involved in desaturation and elongation of fatty acids, cholesterol biosynthesis, drug metabolism, and, in erythrocyte, methemoglobin reduction. [UniProtKB/Swiss-Prot Function]