

Product datasheet for **SC203570**

CYB5R2 (NM_016229) Human 3' UTR Clone

Product data:

Product Type: 3' UTR Clones
Product Name: CYB5R2 (NM_016229) Human 3' UTR Clone
Vector: pMirTarget (PS100062)
Symbol: CYB5R2
Synonyms: B5R.2
ACCN: NM_016229
Insert Size: 300 bp
Insert Sequence: >SC203570 3'UTR clone of NM_016229

The sequence shown below is from the reference sequence of NM_016229. The complete sequence of this clone may contain minor differences, such as SNPs.

Blue=Stop Codon Red=Cloning site

```
GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
TATACCCAGGACATGATTTTCACCTACTAACACCTCCACGTGCTCAGCAATTTTGCATGTCCCTTTTCA
TCTGTTTCAGAGTAAGTTCAATTTACCCACGGTAAACTGGGATGTTTTCAAAGTGCCTTGCCATGTAC
CTTCGCGCACACACTGGTTCTCCTCTTTTGGGTGTGGCCCTAACAAAAAGGGCTCAAGGGGCTGGAGAC
TGGCTGCTGGGGCCTCCTTGCTTGAGGCTGGAAAGAGCTCCATTTCAGTATCTTCTCCGTGGTTTTG
TGAATAAACTCAAGTACAAAGCA
ACGCGTAAGCGGCCGCGGCATCTAGATTGAAAGAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCCTTCTATGAAAGG
```

Restriction Sites: Sgfl-Mlul

OTI Disclaimer: Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences, e.g., single nucleotide polymorphisms (SNPs).

Components: The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.

RefSeq: [NM_016229.5](#)



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Summary:

The protein encoded by this gene belongs to the flavoprotein pyridine nucleotide cytochrome reductase family of proteins. Cytochrome b-type NAD(P)H oxidoreductases are implicated in many processes including cholesterol biosynthesis, fatty acid desaturation and elongation, and respiratory burst in neutrophils and macrophages. Cytochrome b5 reductases have soluble and membrane-bound forms that are the product of alternative splicing. In animal cells, the membrane-bound form binds to the endoplasmic reticulum, where it is a member of a fatty acid desaturation complex. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Nov 2014]

Locus ID: 51700

MW: 11