

Product datasheet for **SC217089**

CYB5R3 (NM_001129819) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	CYB5R3 (NM_001129819) Human 3' UTR Clone
Symbol:	CYB5R3
Synonyms:	B5R; DIA1
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_001129819
Insert Size:	1963 bp



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Insert Sequence: >SC217089 3'UTR clone of NM_001129819
 The sequence shown below is from the reference sequence of NM_001129819. The complete sequence of this clone may contain minor differences, such as SNPs.
 Blue=Stop Codon Red=Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAGGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
CACCCACGAGCGCTGCTTCGTCTTCAGAGGCCGGCACGGTACACGGCCACCCGCCCGCGCACC
CCACGCCCTGTTACGCTCACCCAGTCACTCCCCACATCGCACACTGGGGCCCCGGGTTACGCTGGC
CTGCCCGTGCCCTGGTGAATCACCTGGCTGAGCAGTTCCTGGAGCCCTTCGGGAGCAGGGCTGTGT
CCCAGATGGGCCACGGCTGAGCCTTCAGAGTACGTCTGCCTGGCACTTACTGGTCTTACCAGAGACG
CCCAGCCCCATCCCTGTCTCATGACCCTCGTCCACCCCCACACACTATAAGGCTGAGGGCTGCC
AGCAGCCCCGTGCCCACCATTCCGGCCGTGGACCATAGTCGGGATGTCAGCAGACACACATGGGCA
GCCCAAAGCTGCAGGTGCCAGGGCCACCCAGCCTCGCCTGTCACCCCACTCCCGCTCAGGGCCAG
GCCCAGGCCTCACCACTGACGCTGCATGAGACATTGACACCAGAAAGCCCTCTTGGGGCACTGCTCC
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CCGAGCTGGGGGTTGGCAGCCACTGCACCGCTCAGGGTTTTGGGGTCTGGGCTGGGGCCACCATC
CCTGATGGCAGAACTCCCAACAACCATGTATTTATTCCTCTGTCTAAACCGTCCCTCCTTCCCTCA
CCCCAGCACAGGGGATTCTGAGCAGTGCCTCTTGTCTGAGGGACATATCAGTGACCTCGACGTTGCC
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TGGGACTACAGCGCCCGCCACTACGCCGGCTAATTTTTTTGATTTTTTAGTAGAGACGGGGTTTACC
GTTTTAGCCGGGATGGTCTCGATCTCCTGACCTCGTGATCCGCCCGCTCGGCCTCCCAAAGTCTGGG
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GGAAAGTGACAGAAAGTATACACAGGAAGAAAAATCCCAACCCAGAGGCAAAACAGCTGAAACCAC
GCAACCCAGTACCCCAATGCACCGCAGGCTGCTGCCTCCTGTAGGGTCAAGTGCAGCTCGAGGCT
CAGGAAAGTCAAGAGGATGCCATCTGCATGGTGGTAAATTACAGAGGTGATGAGGCAAGGTGGGTGTGGG
GCTGTTCTTAAAACGGGGCAGCAGGAAGCCCCAAGGAGATGGATTTGGGCTGGGACGGGAAGAGAGAG
CTGGCCATGCTGGGGTGGGTGGGTGTTCAAATGGTGGAACAGCAGACGCAAAAGGCCCTGCCGTTGGA
CCAGCTTGTGGAATAAATTTTCAAGAACAGA
ACGCGTAAAGCGCCCGCGCATCTAGATTCAAGAAAATGACCGACCAAGCGACGCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
  
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- Restriction Sites:** SgfI-MluI
- 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_001129819.2](#)

Summary:

This gene encodes cytochrome b5 reductase, which includes a membrane-bound form in somatic cells (anchored in the endoplasmic reticulum, mitochondrial and other membranes) and a soluble form in erythrocytes. The membrane-bound form exists mainly on the cytoplasmic side of the endoplasmic reticulum and functions in desaturation and elongation of fatty acids, in cholesterol biosynthesis, and in drug metabolism. The erythrocyte form is located in a soluble fraction of circulating erythrocytes and is involved in methemoglobin reduction. The membrane-bound form has both membrane-binding and catalytic domains, while the soluble form has only the catalytic domain. Alternate splicing results in multiple transcript variants. Mutations in this gene cause methemoglobinemias. [provided by RefSeq, Jan 2010]

Locus ID:

1727

MW:

71.6