

## Product datasheet for **SC210659**

### P4HB (NM\_000918) Human 3' UTR Clone

#### Product data:

**Product Type:** 3' UTR Clones  
**Product Name:** P4HB (NM\_000918) Human 3' UTR Clone  
**Vector:** pMirTarget (PS100062)  
**Symbol:** P4HB  
**Synonyms:** CLCRP1; DSI; ERBA2L; GIT; P4Hbeta; PDI; PDIA1; PHDB; PO4DB; PO4HB; PROHB  
**ACCN:** NM\_000918  
**Insert Size:** 876 bp  
**Insert Sequence:** >SC210659 3'UTR clone of NM\_000918  
 The sequence shown below is from the reference sequence of NM\_000918. The complete sequence of this clone may contain minor differences, such as SNPs.  
 Blue=Stop Codon Red=Cloning site

```
GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
GATCAGAAAGCTGTGAAAGATGAACTGTAAATACGCAAAGCCAGACCCGGGCGCTGCCGAGACCCCTCGG
GGGCTGCACACCCAGCAGCAGCGCACGCCTCCGAAGCTCGGCCTCGTTGAAGGAGGGCGTCGCCGG
AAACCCAGGGAACCTCTCTGAAGTGACACCTCACCCCTACACACCGTCCGTTACCCCGCTCTTCCT
TCTGCTTTTCGGTTTTTGGAAAGGGATCCATCTCCAGGCAGCCACCCTGGTGGGCTTGTTCCTGAA
ACCATGATGTACTTTTTCATACATGAGTCTGTCCAGAGTCTTGTACCGTGTTCGGAGTCTCGCTGCC
TCCCTCCCGCGGGAGGTTTCTCCTCTTTTTGAAAATTCGGTCTGTGGGATTTTTAGACATTTTTCGACA
TCAGGGTATTTGTTCCACCTTGGCCAGGCCTCCTCGGAGAAGCTTGTCCCGTGTGGGAGGACGGAG
CCGGACTGGACATGGTCACTCAGTACCGCCTGCAGTGTGCCATGACTGATCATGGCTCTTGCAATTTT
GGGTAAATGGAGACTTCCGGATCTGTCCAGGGTGTCCCATGCCTGGAAGAGGAGCTGGTGGCTGCCA
GCCCTGGGGCCCGCACAGGCCTGGGCCTTCCCCTTCCCTCAAGCCAGGGCTCCTCCTCTGTCGTTGG
CTCATTGTGACCACTGGCCTCTCTACAGCACGGCCTGTGGCCTGTCAAGGCAGAACACGACCCTTGA
CTCCCGGGTGGGAGGTGGCCAAGGATGCTGGAGCTGAATCAGACGCTGACAGTTCTTCAGGCATTTCT
ATTTACAAATCGAATTGAACACATTGGCCAAATAAAGTTGAAATTTTA
ACGCGTAAGCGGCCGCGGCATCTAGATTGAAAGAAAATGACCGACCAAGCGACGCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
```

**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).



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<b>Components:</b>	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.
<b>RefSeq:</b>	<a href="#">NM_000918.4</a>
<b>Summary:</b>	This gene encodes the beta subunit of prolyl 4-hydroxylase, a highly abundant multifunctional enzyme that belongs to the protein disulfide isomerase family. When present as a tetramer consisting of two alpha and two beta subunits, this enzyme is involved in hydroxylation of prolyl residues in procollagen. This enzyme is also a disulfide isomerase containing two thioredoxin domains that catalyze the formation, breakage and rearrangement of disulfide bonds. Other known functions include its ability to act as a chaperone that inhibits aggregation of misfolded proteins in a concentration-dependent manner, its ability to bind thyroid hormone, its role in both the influx and efflux of S-nitrosothiol-bound nitric oxide, and its function as a subunit of the microsomal triglyceride transfer protein complex. [provided by RefSeq, Jul 2008]
<b>Locus ID:</b>	5034
<b>MW:</b>	31.5