

## Product datasheet for **SC202160**

### Haptoglobin (HP) (NM\_001126102) Human 3' UTR Clone

#### Product data:

Product Type:	3' UTR Clones
Product Name:	Haptoglobin (HP) (NM_001126102) Human 3' UTR Clone
Vector:	pMirTarget (PS100062)
Symbol:	HP
Synonyms:	BP; HP2ALPHA2; HPA1S
ACCN:	NM_001126102
Insert Size:	195 bp
Insert Sequence:	>SC202160 3'UTR clone of NM_001126102 The sequence shown below is from the reference sequence of NM_001126102. The complete sequence of this clone may contain minor differences, such as SNPs. Blue=Stop Codon Red=Cloning site  GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC TGGTTTCAGAAGACCATAGCTGAGAACTAATGCAAGGCTGGCCGGAAGCCCTTGCCCTGAAAGCAAGATT TCAGCCTGGAAGAGGGCAAAGTGGACGGGAGTGGACAGGAGTGGATGCGATAAGATGTGGTTTGAAGCT GATGGGTGCCAGCCCTGCATTGCTGAGTCAATCAATAAAGAGCTTTCTTTTGACCCA ACGCGTAAGCGGCCGCGCATCTAGATTGAAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA 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:	<u><a href="#">NM_001126102.3</a></u>



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**Summary:**

This gene encodes a preproprotein, which is processed to yield both alpha and beta chains, which subsequently combine as a tetramer to produce haptoglobin. Haptoglobin functions to bind free plasma hemoglobin, which allows degradative enzymes to gain access to the hemoglobin, while at the same time preventing loss of iron through the kidneys and protecting the kidneys from damage by hemoglobin. Mutations in this gene and/or its regulatory regions cause ahaptoglobinemia or hypohaptoglobinemia. This gene has also been linked to diabetic nephropathy, the incidence of coronary artery disease in type 1 diabetes, Crohn's disease, inflammatory disease behavior, primary sclerosing cholangitis, susceptibility to idiopathic Parkinson's disease, and a reduced incidence of Plasmodium falciparum malaria. The protein encoded also exhibits antimicrobial activity against bacteria. A similar duplicated gene is located next to this gene on chromosome 16. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Oct 2014]

**Locus ID:**

3240

**MW:**

7.4