

Product datasheet for **SC200439**

hemoglobin subunit gamma 1 (HBG1) (NM_000559) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	hemoglobin subunit gamma 1 (HBG1) (NM_000559) Human 3' UTR Clone
Vector:	pMirTarget (PS100062)
Symbol:	HBG1
Synonyms:	HBG-T2; HBGA; HBGR; HSGGL1; PRO2979
ACCN:	NM_000559
Insert Size:	120 bp
Insert Sequence:	>SC200439 3'UTR clone of NM_000559 The sequence shown below is from the reference sequence of NM_000559. The complete sequence of this clone may contain minor differences, such as SNPs. Blue =Stop Codon Red =Cloning site GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC GCCAGTGCCTGTCTCCAGATACCACTGAGCTCACTGCCCATGATTCAGAGCTTTCAAGGATAGGCTT TATTCTGCAAGCAATAACAATAATAAATCTATTCTGCTGAGAGATCACACA ACGCGT AAGCGGCCGCGCATCTAGATTGAAGAAAATGACCGACCAAGCGACGCCAACCTGCCATCA CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
Restriction Sites:	Sgfl-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:	<u>NM_000559.3</u>



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Summary:

The gamma globin genes (HBG1 and HBG2) are normally expressed in the fetal liver, spleen and bone marrow. Two gamma chains together with two alpha chains constitute fetal hemoglobin (HbF) which is normally replaced by adult hemoglobin (HbA) at birth. In some beta-thalassemias and related conditions, gamma chain production continues into adulthood. The two types of gamma chains differ at residue 136 where glycine is found in the G-gamma product (HBG2) and alanine is found in the A-gamma product (HBG1). The former is predominant at birth. The order of the genes in the beta-globin cluster is: 5'-epsilon -- gamma-G -- gamma-A -- delta -- beta--3'. [provided by RefSeq, Jul 2008]

Locus ID:

3047

MW:

4.6