

Product datasheet for SC119836

HBA1 (NM_000558) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	HBA1 (NM_000558) Human Untagged Clone
Tag:	Tag Free
Symbol:	HBA1
Synonyms:	ECYT7; HBA-T3; HBH; METHBA
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Cell Selection:	None
Fully Sequenced ORF:	>OriGene ORF within SC119836 sequence for NM_000558 edited (data generated by NextGen Sequencing) ATGGTGTCTCCTGCCGACAAGACCAACGTCAAGGCCGCCTGGGGTAAGGTCGGCGCG CACGCTGGCGAGTATGGTGCGGAGGCCCTGGAGAGGATGTTCTGTCTTCCCCACCACC AAGACCTACTTCCCCTCGACTTCGACCTGAGCCACGGCTCTGCCAGGTTAAGGGCCACGGC AAGAAGGTGGCCGACGCGCTGACCAACGCCGTGGCGCACGTGGACGACATGCCAACGCG CTGTCCGCCCTGAGCGACCTGCACGCGACAAGCTTCGGGTGGACCCGGTCAACTTCAAG CTCCTAAGCCACTGCCTGCTGGTGACCCTGGCCGCCACCTCCCCGCCGAGTTCACCCCT GCGGTGCACGCCTCCCTGGACAAGTTCCTGGCTTCTGTGAGCACCGTGCTGACCTCCAAA TACCGTTAA Clone variation with respect to NM_000558.3



[View online »](#)

5' Read Nucleotide Sequence:	>OriGene 5' read for NM_000558 unedited NGTAAAGTTCAAATTTGTAATACAACACTCATATAGGCGGCCCGCGAATTCGCACGAGGCCA CCATGGTGTCTCTCTCTGCCGACAAACCAACGTCAAGGCCGCTGGGGTAAGGTCGGCG CGCACGCTGGCGAGTATGGTGGGAGGCCCTGGAGAGGATGTTCTGTCTTCCCCACC ACCAAGACCTACTTCCCGCACTTCGACCTGAGCCACGGCTCTGCCAGGTTAAGGGCCAC GGCAAGAAGGTGGCCGACGCGCTGACCAACGCCGTGGCGCACGTGGACGACATGCCCAAC GCGCTGTCCGCCCTGAGCGACCTGCACGCGCACAAAGCTTCGGGTGGACCCGGTCAACTTC AAGCTCCTAAGCCACTGCCTGCTGGTGACCTGGCCGCCACCTCCCCGCCGAGTTCACC CCTGCGGTGCACGCTCCCTGGACAAGTTCCTGGCTTCTGTGAGCACCGTCTGACCTCC AAATACCGTTAAGCTGGAGCCTCGGTAGCCGTTCTCTGCCCGCTGGGCTCCCAACGG GCCCTCTCCCCTCTTGACCGGCCCTTCTGGTCTTTGAATAAAGTCTGAGTGGGCGG CAANAAAAAAAAAAAAAAAAAACTCGACTCTAGATTGCGGCCGCGGTATAGCTGTTT CCTGAACAGATCCCGGTGGCATCCCTGTGACCCCTCCCAGTGCCTCTCTGGCCCTGG AAGTTGCCACTCCAGTGCCACCAGCCTTGTCTAATAAAATTAAGTTGCATCATTTTGT CTGACTAGGTGTCTTCTATATATATGGGTGAGGGGGGGGTTNNTNNNNANACNAGGG GNNNNNTTGGGAAAAAAAAACCCGTGGGCCCCGGGGTCTATTGGGAACAAGCCTGGA TGCAGTGGCACAATCTTGGCCTC
3' Read Nucleotide Sequence:	>OriGene 3' read for NM_000558 unedited GGCCGATTCTANAGTCGAGTTTTTTTTTTTTTTTTTTTTTTTTTTTGGCCCCACTCAGACTT TATTCAAAGACCAGGAAGGGCCGGTGAAGGAGGGGAGGAGGGCCGTTGGGAGGCCAG CGGGCAGGAGGAACGGCTACCGAGGCTCCAGCTTAACGGTATTTGGAGGTGAGCACGGTG CTCACAGAAGCCAGGAACCTGTCCAGGGAGGCGTGCACCGCAGGGGTGAACCTCGGCGGG AGGTGGGCGGCCAGGGTACCAGCAGGCGTGGCTTAAGAGCTTGAAGTTGACCGGGTCC ACCGAAGCTTGTGCGCGTGCAGGTCGCTCAAGGCGGACAGCGCTTGGGCATGTCGTCC ACGTGCGCCACGGCGTTGGTCCAGCGCTCGGCCACCTTCTTGCCGTGGCCCTAACCTGG GCAGAGCCGTGGCTCAGTTCGAAGTGGCGGAAGTGGTCTTGGTGGTGGGGAAGGACAGG AACATCCTCTCCAGGGCCTCCGCACCACTCGCCAGCGTGCAGCGCCGACCTTACCCAG GCGGCCTTGACGTTGGTCTTGTGCGCAGGAGACAGCACCATGGTGGCCTCGTGCCGAATT CGCGGCCGCCCTATAGTGAGTCGTATTACAAAATCTGACGGTCACTAAACGAGCTCTG CTTATATAGACCTNCCACCGTACACGCCTACCGGCCATTTGCGTCAACCGGGCGGGGTTA TTACCACATTTTGGAAAAGTCCGTTGATTTTGGTGCCCAAACCACTCCCATTGACGTCA ATGGGGGGGAGACTTGGAAATCCCCTGAGTCAACCCTTTTCCCGCCATTGTGGTCCGCC CAACCCGCTCCCCTGGGATACCGAGACTATACCTACAGTCTGCCAATAGGAAGGCCCTT AGGGCTTTACTGGCATATGCCAGCGCGCATTACACGCTTGACCAATAGGGCGGACTTG CCATGAN
Restriction Sites:	NotI-NotI
ACCN:	NM_000558
Insert Size:	590 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
RefSeq:	NM_000558.3 , NP_000549.1
RefSeq Size:	576 bp
RefSeq ORF:	429 bp
Locus ID:	3039

UniProt ID: [P69905](#), [D1MGQ2](#)

Domains: globin

Gene Summary: The human alpha globin gene cluster located on chromosome 16 spans about 30 kb and includes seven loci: 5'- zeta - pseudozeta - mu - pseudoalpha-1 - alpha-2 - alpha-1 - theta - 3'. The alpha-2 (HBA2) and alpha-1 (HBA1) coding sequences are identical. These genes differ slightly over the 5' untranslated regions and the introns, but they differ significantly over the 3' untranslated regions. Two alpha chains plus two beta chains constitute HbA, which in normal adult life comprises about 97% of the total hemoglobin; alpha chains combine with delta chains to constitute HbA-2, which with HbF (fetal hemoglobin) makes up the remaining 3% of adult hemoglobin. Alpha thalassemias result from deletions of each of the alpha genes as well as deletions of both HBA2 and HBA1; some nondeletion alpha thalassemias have also been reported. [provided by RefSeq, Jul 2008]