

Product datasheet for **SC125743**

HBQ1 (NM_005331) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	HBQ1 (NM_005331) Human Untagged Clone
Tag:	Tag Free
Symbol:	HBQ1
Synonyms:	HBQ
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene sequence for NM_005331 edited GGGGGCGGGTTCCAGCGCGGGGATGGCGCTGTCCGCGGAGGACCGGGCGCTGGTGC GCGC CCTGTGGAAGAAGCTGGGCAGCAACGTCGGCGTCTACACGACAGAGGCCCTGAAAGGAC CTTCTGGCTTTCCCGCCACGAAGACCTACTTCTCCACCTGGACCTGAGCCCCGGCTC CTCACAAGTCAGAGCCCACGCCAGAAGGTGGCGACGCGCTGAGCCTCGCCGTGGAGCG CCTGGACGACCTACCCACGCGCTGTCCGCGTGTGAGCCACCTGCACGCGTGCCAGCTGCG AGTGGACCCGGCCAGCTTCCAGCTCCTGGGCCACTGCCTGCTGGTAACCCTCGCCCGGCA CTACCCCGGAGACTTCAGCCCCGCGCTGCAGGCGTGTGAGCAAGTTCTGAGCCACGT TATCTCGCGCTGGTTTCCGAGTACCGCTGAACTGTGGTGGTGGCCGCGGGATCCCCA GGCGACCTTCCCGTGTGAGTAAAGCCTCTCCAGGAGCTAAAAAAAAAAAAAAAAAAAA AAAAAAAAAA



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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_005331 unedited NGGGTTCAGATTTGTATACGACTCACTATAGGCGGCGCGGAATTCGCCATTACGGCCGG GGGCGGGTTCCACCGCGGGGATGGGGCTGTCCGCGGAGGACCGGGCGCTGGTGCGCGCCC TGTGGAAGAAGCTGGGCAGCAACGTCGGCGTCTACACGACAGAGGCCCTGGAAAGGACCT TCCTGGCTTTCCCGCCACGAAGACCTACTTCTCCACCTGGACCTGAGCCCCGGCTCCT CACAAGGCAGAGCCACGGCCAGAAGGTGGCGGACGCGCTGAGCCTCGCCGTGGAGCGCC TGGACGACTACCCACGCGCTGTCCGCGCTGAGCCACCTGCACGCGTGCCAGCTGCGAG TGGACCCGGCCAGCTTCCAGCTCCTGGGCACTGCCTGCTGGTAACCCTCGCCCGGCACT ACCCCGGAGACTTCANCCCCGCGCTGCAGGCGTGCCTGGACAAGTTCCTGAGCCAGTTA TCTCGGCGCTGGTTCCGAGTACCCTGAACTGTGGGTGGGTGGCCGCGGGATCCCCAGG CGACCTTCCCGTGTGGTAAAGCCTCTCCAGGAGCTAAAAAAAAAAAAAAAAAANA AAAAAAAAAACATGTCGGCCGCTCGGCCCTCGACTCTAGATTGCGGCCGCGGTATAG CTGTTTCTGAACAGATCCCGGGTGGGATCCCTGTGACCCTCCCATGCCTCTCCTGGC CCTGGGAGTTGCCACTCCAGTGCCACCAGCCTTGTCTAATAAATTAAGTTGCATCATT TTGTCTGACTAGGTGTCCTTCTATATATTATGGGGTGAGGGGGTGGGAATTGGANCAAGG GGCAATTTTGGAAAAAACCTGGGGGGTGGGGGGCTATGGGGACCAAGCTGGGGTGC CAGGGGCCAATCTT</p>
Restriction Sites:	Please inquire
ACCN:	NM_005331
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).
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	<ol style="list-style-type: none"> 1. Centrifuge at 5,000xg for 5min. 2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA. 3. Close the tube and incubate for 10 minutes at room temperature. 4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom. 5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	NM_005331.3 , NP_005322.1
RefSeq Size:	651 bp
RefSeq ORF:	429 bp
Locus ID:	3049
UniProt ID:	P09105
Cytogenetics:	16p13.3

Gene Summary:

Theta-globin mRNA is found in human fetal erythroid tissue but not in adult erythroid or other nonerythroid tissue. The theta-1 gene may be expressed very early in embryonic life, perhaps sometime before 5 weeks. Theta-1 is a member of the human alpha-globin gene cluster that involves five functional genes and two pseudogenes. The order of genes is: 5' - zeta - pseudozeta - mu - pseudoalpha-2 -pseudoalpha-1 - alpha-2 - alpha-1 - theta-1 - 3'. Research supports a transcriptionally active role for the gene and a functional role for the peptide in specific cells, possibly those of early erythroid tissue. [provided by RefSeq, Jul 2008]