

Product datasheet for **SC126296**

Hemoglobin subunit epsilon (HBE1) (NM_005330) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Hemoglobin subunit epsilon (HBE1) (NM_005330) Human Untagged Clone
Tag:	Tag Free
Symbol:	Hemoglobin subunit epsilon
Synonyms:	HBE
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_005330 edited
GCCATGGTTGTGAGGCCTCCCCAGCTATGTGGAAGTCAAGAAGTTAAGCAACTT
GCTCAAGATCATCTAAGAAATAGATGAGGAGCCAACAAAAAGAGCCTCAGGATCCAGCA
CACATTATCACAACTTAGTGTCCATCCACTGCTGACCCTCTCCGGACCTGACTCCA
CCCCTGAGGGACACAGGTCAGCCTTGACCAATGACTTTTAAGTACCATGGAGAACAGGGG
GCCAGAACTTCGGCAGTAAAGAATAAAAGGCCAGACAGAGAGGCAGCAGCACATATCTGC
TTCCGACACAGCTGCAATCACTAGCAAGCTCTCAGGCCTGGCATCATGGTGCATTTTACT
GCTGAGGAGAAGGCTGCCGTCACTAGCCTGTGGAGCAAGATGAATGTGGAAGAGGCTGGA
GGTGAAGCCTTGGGCAGACTCCTCGTTGTTTACCCTGGACCCAGAGATTTTTTGACAGC
TTTGAAACCTGTCGTCTCCCTCTGCCATCCTGGGCAACCCCAAGGTCAAGGCCCATGGC
AAGAAGGTGCTGACTTCCCTTTGGAGATGCTATTAACATGGACAACCTCAAGCCCGCC
TTTGCTAAGCTGAGTGAAGCTGCACTGTGACAAGCTGCATGTGGATCCTGAGAAGTTCAAG
CTCCTGGGTAACGTGATGGTGATTATTCTGGCTACTCACTTTGGCAAGGAGTTACCCCT
GAAGTGCAGGCTGCCTGGCAGAAGCTGGTGTCTGCTGTGCCATTGCCCTGGCCATAAG
TACCACTGAGTTCTTTCCAGTTTGAGGTGTTCTGTGACCCTGACACCCTCCTTCTGC
ACATGGGACTGGGCTTGGCCTTGAGAGAAAGCCTTCTGTTTAAATAAAGTACATTTTCTT
CAGTAAAAAAAAAAAAAAAA



[View online »](#)

5' Read Nucleotide Sequence:	>OriGene 5' read for NM_005330 unedited NGGGGGTTTCGCGATTTTGTAAATACGACTTACTATAGGCGGCCGCAATTCGATCTGGTA CCGGTCCGGAATCCCGGGATATCGTCGACCCACGCGTCCGCCACGCGTCCGGCCATGG TTGTGAGGCTCCCCAGCTATGTGGAAGTACTTCAAGAAGTTAAGCAACTTGCTCAAG ATCATCTAAGAAATAGATGAGGAGCCAACAAAAAGAGCCTCAGGATCCAGCACACATTA TCACAACTTAGTGTCCATCCATCACTGCTGACCCTCTCCGGACCTGACTCCACCCTGA GGGACACAGGTCAGCCTTGACCAATGACTTTTAAGTACCATGGAGAACAGGGGGCCAGAA CTTCCGGCAGTAAAGAATAAAAGGCCAGACAGAGAGGCAGCAGCACAATCTGCTCCGAC ACAGCTGCAATCACTAGCAAGCTCTCAGGCCTGGCATCATGGTGCAATTTACTGCTGAGG AGAAGGCTGCCGTCAGCCTGTGGAGCAAGATGAATGTGGAAGAGGCTGGAGGTGAAG CCTTGGGCAGACTCCTCGTTGTTTACCCTGGACCCAGAGATTTTTTGACAGCTTTGGAA ACCTGTCGCTCCCTCTGCCATCCTGGCAACCCCAAGGTCAAGGCCCATGGCAAGAAGG TGCTGACTTCTTTGGAGATGCTATTA AAAACATGGACCACCTCAAGCCCGCCTTTGCTA AGCTGAGTGAGCTGCACTGTGACAAGCTGCATGTGGATCCTGAGAACCTCAAGCTCCTGG GTAACGTGATGGTGATTATTCTGGCTACTCACTTTGGCCGGNAGTTCACCCTGAAGTGC AGGCTGCCTGGCAAAACTGGTGTCTGCTGTCGCCATGGCCCTGCCCTAAGT
Restriction Sites:	NotI-NotI
ACCN:	NM_005330
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_005330.3 , NP_005321.1
RefSeq Size:	816 bp
RefSeq ORF:	444 bp
Locus ID:	3046
UniProt ID:	P02100
Cytogenetics:	11p15.4

Gene Summary:

The epsilon globin gene (HBE) is normally expressed in the embryonic yolk sac: two epsilon chains together with two zeta chains (an alpha-like globin) constitute the embryonic hemoglobin Hb Gower I; two epsilon chains together with two alpha chains form the embryonic Hb Gower II. Both of these embryonic hemoglobins are normally supplanted by fetal, and later, adult hemoglobin. The five beta-like globin genes are found within a 45 kb cluster on chromosome 11 in the following order: 5'-epsilon - G-gamma - A-gamma - delta - beta-3' [provided by RefSeq, Jul 2008]