

Product datasheet for **SC125465**

Hemoglobin subunit delta (HBD) (NM_000519) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Hemoglobin subunit delta (HBD) (NM_000519) Human Untagged Clone
Tag:	Tag Free
Symbol:	Hemoglobin subunit delta
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF sequence for NM_000519 edited ATGGTGCATCTGACTCCTGAGGAGAAGACTGCTGTCAATGCCCTGTGGGCAAAGTGAAC GTGGATGCAGTTGGTGGTGGGAGGCTGGGAGATTACTGGTGGTCTACCCTTGGACCCAG AGGTTCTTTGAGTCCTTTGGGGATCTGTCTCCTGATGCTGTTATGGGCAACCCCTAAG GTGAAGGCTCATGGCAAGAAGGTGCTAGGTGCCTTTAGTGATGGCCTGGCTCACCTGGAC AACCTCAAGGGCACTTTTTCTCAGCTGAGTGAGCTGCACTGTGACAAGCTGCACGTGGAT CCTGAGAACTTCAGGCTCTTGGGCAATGTGCTGGTGTGTGTGCTGGCCCGCAACTTTGGC AAGGAATTCACCCCAAAATGCAGGCTGCCTATCAGAAGGTGGTGGTGTGGCTAAT GCCCTGGCTCACAAAGTACCATTGA

5' Read Nucleotide Sequence:	>OriGene 5' read for NM_000519 unedited AGGATTTTGTAAACGACTCACTATAGGGCGGCCGATTTCGGCACCCAGCTCAAACANAC ACCATGGTGCATCTGACTCCTGAGGAGAAGACTGCTGTCAATGCCCTGTGGGCAAAGTGA AACGTGGATGCAGTTGGTGGTGGGAGGCTGGGAGATTACTGGTGGTCTACCCTTGGACC CAGAGGTTCTTTGAGTCCTTTGGGGATCTGTCTCCTGATGCTGTTATGGGCAACCCCT AAGGTGAAGGCTCATGGCAAGAAGGTGCTAGGTGCCTTTAGTGATGGCCTGGCTCACCTG GACAACCTCAAGGGCACTTTTTCTCAGCTGAGTGAGCTGCACTGTGACAAGCTGCACGTG GATCCTGAGAACTTCAGGCTCTTGGGCAATGTGCTGGTGTGTGCTGGCCCGCAACTTT GGCAAGGAATTCACCCCAAAATGCAGGCTGCCTATCAGAAGGTGGTGGTGTGGCT AATGCCCTGGCTCACAAAGTACCATTGAGATCCTGGACTGTTTCCTGATAACCATAAAGAAG ACCCTATTTCCCTAGATTCTATTTTCTGAACTGGGAACACAATGCCTACTTCAAGGGTA TGGCTTCTGCCTAATAAAGAATGTTTCAGCTCAAAAAAAAAANNNAAANNNAAAAANNA AAANNNAAAAANNA AANAAAAAAAAAAAAAAAAAAAAAAAAACCCCTTTCTTTAATTGCGCCGGGATATAATTTTT TCTAAAAAATACCCGGGGGATTTCTTGGGAACCCCAAGGCTCTCTCTGGGCCTG GGAGGTGCACTTCAGGCGCACACCTGGCCAAAAAAAAAAGGCAAATGGGTGAAAAG GGGCTCTTAAATGGANNGGGGGNGGGGGNNNNNNNNNNNNNNNNNNNNNNNNNNNNNN CAAACCCGGGGGCCCGGGGGTATTAATAAACCC
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Restriction Sites:	NotI-NotI
ACCN:	NM_000519
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_000519.3 , NP_000510.1
RefSeq Size:	774 bp
RefSeq ORF:	444 bp
Locus ID:	3045
UniProt ID:	P02042
Cytogenetics:	11p15.4
Domains:	globin
Gene Summary:	<p>The delta (HBD) and beta (HBB) genes are normally expressed in the adult: two alpha chains plus two beta chains constitute HbA, which in normal adult life comprises about 97% of the total hemoglobin. Two alpha chains plus two delta chains constitute HbA-2, which with HbF comprises the remaining 3% of adult hemoglobin. Five beta-like globin genes are found within a 45 kb cluster on chromosome 11 in the following order: 5'-epsilon--Ggamma--Agamma--delta--beta-3'. Mutations in the delta-globin gene are associated with beta-thalassemia. [provided by RefSeq, Jul 2008]</p>