

Product datasheet for **SC305800**

BHLHE23 (NM_080606) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	BHLHE23 (NM_080606) Human Untagged Clone
Tag:	Tag Free
Symbol:	BHLHE23
Synonyms:	bA305P22.3; Beta3b; BETA4; BHLHB4
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene sequence for NM_080606 edited TGATTGGACAGCAGCGAGGTCCCACCGGGCGCCTCCGCGGCTTAAAACCGAAGCGGGGGC GAGGGGGAGGTAGAGCCCGCCCCCTGCGCGTTCGCGGCTGGGAGGGAGAGGAGTGGGAGA GAAGGAAGAGGGCGAGGAGGCAGCGGGCGCCGAGGCTCTGGGACCCGAGGCAAGCCAGA CCGACGCGCAGAGCCGGGAGCCTCATCGCAGCGGCAGCGCAGCGCGGGCTCGGGCCGG CCTCGGGGGTGTCAACCACATGAGCATCCGCCACCCGGCGAGCCCCGAGCCAGGC GGCGCGGCATGGCCGAGCTCAAGTCGCTGTGGGGGACGCGTACCTGGCACTAAGCCAC GGCTACGCGGGCGGGTGTGGGTCTCGCCTACGGGGCGGCGGAGAACCCGAAGCGGCC CGCGGCTACGGCACTCCGGGCCCGGGCGGCGACCTCCCCGCGGCGCTGCACCTCGCGCC CCAGCTCAGGCGCGGAGAGCAGCGGCGAACAGAGCGGGGACGAGGACGACGCTTCGAG CAGCGGCGGGCGGGCGGGCCAGGGAGCGCGGCGGACGGGCGGCGGCGCCGCGAGAG CAGCGGTCTCTGCGGCTCAGCATCAACGCGCGGAGCGGCGGCGCATGCACGACCTAAAC GACGCGCTGGACGGGCTGCGAGCCGTCATCCCCTACGCGCACAGCCCGTCCGTGCGCAAG CTCTCAAAGATCGCCACGCTGCTGCTCGCCAAGAACTATATCCTCATGCAGGCGCAGGCC CTGGACGAGATGCGGGCGCCTGGTGGCCTTCTCAACCAGGGCCAGGGCCTGGCCGCGCCC GTAAACGCGCGCCCTTGACGCCCTTCGGCCAGGCCACTGTGTGCCCTTCTCCGAGGC GCCGCCCTGGGGCCCTGCCCTGACAAGTGCGCCCTTCTCCGGGACGCCCTCCGCGCTT TGCAAACACTGTACAGAGAAGCCGTGACCGCGCGGGCCCCCGGCCCTCCCGCACGCGTCC CCGATCGCCCCGTGACTGTCTCTGCCCCGACAG
Restriction Sites:	Please inquire
ACCN:	NM_080606
Insert Size:	1100 bp



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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).
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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:	<u>NM_080606.2</u> , <u>NP_542173.1</u>
RefSeq Size:	942 bp
RefSeq ORF:	678 bp
Locus ID:	128408
UniProt ID:	<u>Q8NDY6</u>
Cytogenetics:	20q13.33
Gene Summary:	This gene encodes a member of the basic helix-loop-helix transcription factor family. Members of this family contain two highly conserved and functionally distinct domains: the basic domain targets sequence-specific DNA binding, while the helix-loop-helix domain facilitates protein interaction. Studies of a related gene in mouse suggest that the encoded protein may function as a transcriptional repressor in the pancreas and brain, and that it is required for normal retinal function. [provided by RefSeq, May 2013]