

Product datasheet for **SC310857**

BOLA2B (NM_001039182) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	BOLA2B (NM_001039182) Human Untagged Clone
Tag:	Tag Free
Symbol:	BOLA2B
Synonyms:	BOLA2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC310857 representing NM_001039182. Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGAATTCGTCGACTG
 GATCCGGTACCGAGGAGATCTGCCGCC**CGATCGCC**
 ATGGCAAGCGCGAAAAGCCTGGACCGCTGGAAAGCCGGCTGCTTGAGGGCGGAAGTACTGCGTTGACG
 TACGCCTTAGTAAGGGCGGAAGTGAGTTTTCCAGCGGAAGTGGCTCCTGTAAGGCAGCAAGGTAGCGTG
 GCCGGCGCCGAGCTGGGGTTGTGTCCCTGCTGGGCTGCCGTTCCAGCTGGACTGCCGCCATGGAAGT
 AGCGCCGAATACCTCCGCGAGAAGCTGCAGCGGGACCTGGAGGCGGAGCATGTGGAGGTGGAGGACAG
 ACCCTCAACCGTTGCTCCTGTAGCTTCCGAGTCTGGTGGTGTGCGCCAAGTTCGAGGGGAAACCGCTG
 CTTAGAGACACAGGCTGGTGAACGCGTGCCTAGCAGAAGAGCTCCCGCACATCCATGCCTTTGAACAG
 AAAACCCTGACCCAGACCAAGTGGGCACGTGAGCGACAGAA**TGA**
 AG**CGGACCG**ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGAT
 ATCCTGGATTACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	Sgfl-RsrII
ACCN:	NM_001039182
Insert Size:	459 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).


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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_001039182.2</u>
RefSeq Size:	1017 bp
RefSeq ORF:	459 bp
Locus ID:	654483
UniProt ID:	<u>Q9H3K6</u>
Cytogenetics:	16p11.2
MW:	16.9 kDa
Gene Summary:	<p>This gene is located within a region of a segmental duplication on chromosome 16 and is identical to BOLA2 (bola family member 2). The product of this gene belongs to a family of proteins that are widely conserved and may be involved in iron maturation. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Feb 2016]</p> <p>Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1). CCDS Note: This CCDS was updated to trim the coding region at the 5' end, which reduces the protein size to 86aa. The update is supported by conservation and proteomics data.</p>