

Product datasheet for **SC106168**

BOLA2 (AF271775) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	BOLA2 (AF271775) Human Untagged Clone
Tag:	Tag Free
Symbol:	BOLA2
Vector:	<u>pCMV6-XL6</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Cell Selection:	None
Fully Sequenced ORF:	>NCBI ORF sequence for AF271775, the custom clone sequence may differ by one or more nucleotides

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ATGGTCATTACATATGGATTAGACCAACTGGAGAATTGCCAGACTTGTGGTACCAATTATATCATCTCAG
TCTTGAATTTACTCAGCTGATTGTTGAACAGATAAATACGAACTGCCATCATCTTTGTAGAAAACT
GTTTATACCATCATCTAACTACTATTCTTGCCTTATCATAAAGAAAAAGAGGTTGTTGCTGTAGCCAT
GCTGTTTATCAAGCAATGCTCAGCTTGAAGAATATTCCTGTTTTGGAGACTGCCTATAAGTTAATATTGG
GAGAAATGACTTGTGCCCTAAACAACCTCCTGCACAGTCTGCAACTTCTGAGGCCTGTTCTGAAATAAA
ACATGAGGCTTTTAAGAATCATGTGTTCAATGTAGACAATGCAAAATTTGTAGTTAAATTTGACCTCAGT
GCCTGACTACAATTGGAATGCCAAAACTCGAGTCTTTAA
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5' Read Nucleotide Sequence:

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>OriGene 5' read for AF271775 unedited
AAATCCCCGCCCCGTTGCCGCAATGGGCGGTAGGCGTGTACGGTGGGAGGTCTATATAAG
CAGAGTTCATTTAGGTGACACTATAGAATACAAGCTACTTGTCTTTTTGCAGCGCCGC
GAATTCGGCACGAGGGGCGCCGAGCTGGGGTTGTGTCCCTGCTGGGCTGCCGTTCCAGC
TGGACTGCCGCCATGGAACCTCAGCGCCGAATACCTCCGCGAGAAGCTGCAGCGGGACCTG
GAGGCGGAGCATGTGGAGGTGGAGGACAGACCCTCAACCGTTGCTCCTGTAGCTTCCGA
GTCCTGGTGGTGTGCGCCAAGTTCGAGGGGAAACCGCTGCTTCAGAGACACAGCTTGGAT
CCTAGCATGACTATACATTGTGACATGGTCATTACATATGGATTAGACCAACTGGAGAAT
TGCCAGACTTGTGGTACCAATTATATCATCTCAGTCTTGAATTTACTCAGCTGATTGTT
GAACAGATAAATACGAACTGCCATCATCTTTGTAGAAAACTGTTTATACCATCATCT
AACTACTATTCTTGCCTTATCATAAAGAAAAAGAGGTTGTTGCTGTAGCCCATGCTGTT
TATCAAGCAATGCTCAGCTTGAAGAATATTCCTGTTTTGGAGACTGCCTATAAGTTAATA
TTGGGAGAAATGACTTGTGCCCTAAACAACCTCCTGCACAGTCTGCAACTTCTGAGGCC
TGTCTGAAATAAACATGAGGCTTTTAAGAATCATGTGTTCAATGTAGACAATGCAACAT
TTGTAGTTAAATTTGACCTCAGTGCCTGACTACTATTGGAAATGCCAAAGACTCGAGTC
TTTCATTGTAAGTGTGTTTATCCACAGTTAAGCCTTTTCTCATACATATTTATGTA
TTCCTGNCATGTCACATGTCTGCAGATCACTGTATGTAGCAACANCCTAT
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Restriction Sites:	NotI-NotI
ACCN:	AF271775
Insert Size:	2750 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).
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:	AF271775.1 , AAG44786.1
RefSeq Size:	1489 bp
RefSeq ORF:	462 bp
Locus ID:	552900
Cytogenetics:	16p11.2
Gene Summary:	This gene is located within a region of a segmental duplication on chromosome 16 and is identical to BOLA2B (bolA family member 2B). The product of this gene belongs to a family of proteins that are widely conserved and may be involved in iron maturation. Related pseudogenes are found multiple different chromosomes. Alternative splicing results in multiple transcript variants. Transcripts initiating at this locus may extend into downstream SMG1 pseudogene 6 (SMG1P6) and encode fusion proteins with a C-terminus related to SMG1 phosphatidylinositol 3-kinase-related kinase. A readthrough locus is represented with GeneID:107282092. [provided by RefSeq, Feb 2016]