

Product datasheet for **SC324035**

BOLA1 (NM_016074) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	BOLA1 (NM_016074) Human Untagged Clone
Tag:	Tag Free
Symbol:	BOLA1
Synonyms:	CGI-143
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	<p>>OriGene sequence for NM_016074.1</p> <pre> CCAGAGTCTGGCCCTGAGCGGGAATCGCAGTGGCCGAGGCTGAGCGGCAGGCGGATCCG CCCGACCCTCACTCCTGGCGTCTGAGTCTCTGGCGTAGCCATGCTGAGTGGCGGCTGG TCCTGGGTCTGGTCTCCATGGCTGGCCGCGTTTGTGGTCCAGGCAGCGCGGATCCG GGCCATCGGTCCGGTGGAGGCCCCATTGCGACGAAGTTGGAGGAGGCCCTGAGCCCCG AGGTGCTAGAGCTTCGCAACGAGAGCGGTGGCCACGCGTCCCGCTGGCAGTGAGACTC ACTTCCGCGTGGCTGTGGTGGAGCTCTCGTTTTGAGGGACTGAGCCCCCTACAACGACACC GGCTGGTCCACGCAGCGCTGGCCGAGGAGCTGGGAGGTCCGGTCCATGCGCTGGCCATCC AGGCACGACCCCGCCAGTGGAGAGAGAACTCTCAGCTGGACACTAGCCCCCATGCC TGGGTGGGAACAAGAAACTCTAGGAACCCCTGAACCCCAAGAGAGGGAGGACCAGGAT CCGAATGGGCTGGGTGAGCACGAATTACCGAGGCCTTCCCTTTGATACAGTCCAGGATTT GTAAGGGATGAAGACCCCTGGGCCCATTTCTGTTGGGGTCCATACATACTCTCCGAAGAT AGCAACTTGCTTCAGGTCAAAGTGAACCCGAGAAAAGAGAAGAATCACTCACTACTGCTC TTGCCCTGGACTATTCAGGAAGGGCAGCCCGGATGTTCCATGTTAAATCGTGACAGAATT GCACCAGACCTGATGAGTTGAAACAATCCTATACATTAAGAAAATTACACTATGAAAA AAA AAAAAAA</pre>
Restriction Sites:	EcoRI-NOT
ACCN:	NM_016074
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).



[View online »](#)

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:	NM_016074.1 , NP_057158.1
RefSeq Size:	812 bp
RefSeq ORF:	414 bp
Locus ID:	51027
UniProt ID:	Q9Y3E2
Cytogenetics:	1q21.2
Domains:	BolA
Protein Families:	Transcription Factors
Gene Summary:	Acts as a mitochondrial iron-sulfur (Fe-S) cluster assembly factor that facilitates (Fe-S) cluster insertion into a subset of mitochondrial proteins (By similarity). Probably acts together with the monothiol glutaredoxin GLRX5 (PubMed:27532772). May protect cells against oxidative stress (PubMed:22746225).[UniProtKB/Swiss-Prot Function]