

## Product datasheet for SC201578

### CIAO2B (NM\_016062) Human 3' UTR Clone

#### Product data:

Product Type:	3' UTR Clones
Product Name:	CIAO2B (NM_016062) Human 3' UTR Clone
Symbol:	CIAO2B
Synonyms:	CGI-128; CIA2B; FAM96B; MIP18
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_016062
Insert Size:	168 bp
Insert Sequence:	<p>&gt;SC201578 3'UTR clone of NM_016062</p> <p>The sequence shown below is from the reference sequence of NM_016062. The complete sequence of this clone may contain minor differences, such as SNPs.</p> <p>Blue=Stop Codon Red=Cloning site</p> <pre> GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAGGCCAAGAAGGGCGGAAAGATCGCCGTG TAACAATTGGCAGAGCTCAGAATTCAA<b>ACGATCGCC</b> GTGAATCAGTGCCTGTCAGCCCGCTCC<b>TAG</b>CGCTGGCCTTTGACCCCTCAGCCTGCATACTGGTATCCT GGTCCCAGCTCCTGCCAGGGCTGTACCGTTGTTTTCTTGAATCACTACAATGAGAACTAACATTTT GCTTTTTGTAATAAAGTTAATTTATATTCA <b>ACGCGT</b>AAGCGGCCGCGGCATCTAGATTGGAAGAAAATGACCGACCAAGCGACGCCAACCTGCCATCA CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG           </pre>
Restriction Sites:	SgfI-MluI
OTI Disclaimer:	Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences, e.g., single nucleotide polymorphisms (SNPs).
Components:	The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.
RefSeq:	<u><a href="#">NM_016062.4</a></u>


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**Summary:** Component of the cytosolic iron-sulfur protein assembly (CIA) complex, a multiprotein complex that mediates the incorporation of iron-sulfur cluster into extramitochondrial Fe/S proteins (PubMed:23891004, PubMed:22678362, PubMed:22678361). As a CIA complex component and in collaboration with CIAO1 and MMS19, binds to and facilitates the assembly of most cytosolic-nuclear Fe/S proteins (PubMed:23891004). As part of the mitotic spindle-associated MMXD complex it plays a role in chromosome segregation, probably by facilitating iron-sulfur cluster assembly into ERCC2/XPD (PubMed:20797633).  
[UniProtKB/Swiss-Prot Function]

**Locus ID:** 51647

**MW:** 6.4