

Product datasheet for **SC122835**

CIAO2B (NM_016062) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CIAO2B (NM_016062) Human Untagged Clone
Tag:	Tag Free
Symbol:	CIAO2B
Synonyms:	CGI-128; CIA2B; FAM96B; MIP18
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene sequence for NM_016062 edited CAGCGGTGGTGGTCCGCGATGGTAGGCGGGCGGGGGTCGGCGGCGGCCTCCTGGAGAA TGCCAACCCCTCATCTACCAGCGCTCTGGGGAGCGGCCTGTGACGGCAGGCGAGGAGGA CGAGCAGGTTCCCGACAGCATCGACGCACGCGAGATCTTCGATCTGATTGCTCCATCAA TGACCCGAGCATCCACTGACGCTAGAGGAGTTGAACGTAGTAGAGCAGGTGCGGGTTCA GGTTAGCGACCCCGAGAGTACAGTGGCTGTGGCTTTCACACCAACCATTCCGCACTGCAG CATGGCCACCCTTATTGGTCTGTCCATCAAGGTCAAGCTTCTGCGCTCCCTTCTCAGCG TTTCAAGATGGACGTGCACATTACTCCGGGGACCCATGCCTCAGAGCATGCAGTGAACAA GCAACTTGCAGATAAGGAGCGGGTGGCAGCTGCCCTGGAGAACCCACCTTTGGAGGT TGTGAATCAGTGCCTGTCAGCCCGCTCCTGAGCCTGGCCTTTGACCCCTCAGCCTGCATA CTGGTATCCTGGTCCCAGCTCCTGCCAGGGCTGTTACCGTTGTTTTCTTGAATCACTCAC AATGAGAAACTAACATTTTGCTTTTTGTAATAAAGTTAATTTATATTCAGTTAAAAAAA AAAAAAA



[View online »](#)

5' Read Nucleotide Sequence:	>OriGene 5' read for NM_016062 unedited NAGTTCGAAACATTGTTAAACGACCTCAATATAGGGCCGGCCGCTGAATTCGGCAGGAGG CAGCGGTGGTGGTCCCGCATGGTAGGCGGCGGGGTGCGGCGGCGCCTCCTGGAGAA TGCCAACCCCTCATCTACCAGCGCTCTGGGGAGCGGCTGTGACGGCAGGCGAGGAGGA CGAGCAGGTTCCCGACAGCATCGACGCACGCGAGAACTTCGATCTGATTCGCTCCATCAA TGACCCGGAGCATCCACTGACGCTAGAGGAGTTGAACGTAGTAGAGCAGGTGCGGGTTCA GGTTAGCGACCCCGAGAGTACCAGTGGCTGTGGCTTTCACACCAACCATTCCGCACTGCA GCATGCCACCCTTATTGGTCTGTCCATCAAGGTCAAGCTTCTGCGCTCCCTTCCTCAGC GTTTCAAGATGGACGTGCACATTACTCCGGGGACCCATGCCTCAGAGCATGCAGTGAACA AGCAACTTGCAGATAAGGAGCGGGTGGCAGCTGCCCTGGAGAACACCCACCTCTTGGAGG TTGTGAATCAGTGCCTGTCAGCCGCTCCTGAGCCTGGCCTTTGACCCCTCAGCCTGCAT ACTGGTATCCTGGTCCCAGCTCCTGCCAGGGCTGTACCCTGTTTTCTGAATCACTCA CAATGAGAACTAACATTTTGTCTTTTGTAAATAAAGTTAATTTATATTCAGTTAAAAAAA AAAAAAAAAACTCGACTCTAGATTGCGCCCGCGGCATAGCTGTTTCTGAACAGATCC CGGGTGGCATCCCTGTGACCCCTCCCAGTGCCTCCTGGCCCTNGAAGTTGCCACTCC AGTGCCCAACCAGCCTTGTCTAATAAAATTAAGNTGCATATTTTGTCTGNACTAGTGTC CTCTTAATATGTGAGGGGGGGGGGGGNNNTNNNNANNNNAANNAGGGGAAATTTGGAA
Restriction Sites:	Please inquire
ACCN:	NM_016062
Insert Size:	670 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:	<u>NM_016062.1</u> , <u>NP_057146.1</u>
RefSeq Size:	670 bp
RefSeq ORF:	492 bp
Locus ID:	51647
UniProt ID:	<u>Q9Y3D0</u>
Cytogenetics:	16q22.1

Gene 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]

Transcript Variant: This variant (1) represents the shortest transcript but encodes the supported protein.