

Product datasheet for SC112504

CIAO3 (NM_022493) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CIAO3 (NM_022493) Human Untagged Clone
Tag:	Tag Free
Symbol:	CIAO3
Synonyms:	HPRN; IOP1; LET1L; NAR1; NARFL; PRN
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL6</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_022493, the custom clone sequence may differ by one or more nucleotides

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ATGGCGTCGCCCTTCAGCGGGGCGCTGCAGCTGACGGACCTGGATGACTTCATCGGGCCGTCTCAGGAGT
GCATCAAGCCTGTCAAAGTGAAAAAAGGGCGGGAAGTGGCGTGGCCAAGATTTCGATTGAAGATGACGG
GAGCTACTTCAAATTAACCAAGACGGCGGGACCCGGAGGCTGGAGAAGGCCAAGGTCTCGCTAAACGAC
TGCCTGGCGTGCAGCGGCTGCATCACCTCCGACAGACCGTGCTTATCACCCAGCAGAGCCACGAGGAGC
TGAAGAAGGTTCTAGATGCTAACAAGATGGCGGCACCCAGTCAGCAGAGGCTGGTTGTAGTTTCGGTCTC
ACCACAGTCTAGAGCATCGCTGGCTGCACGTTTCAGCTGAATCCTACAGATACTGCCAGGAAATTAACC
TCATTCTTAAAAAATAGGGGTGCACTTCGTCTTCGACACCGCCTTCTCAAGGCACTTCAGCCTCCTGG
AGAGCCAGCGAGAGTTTGTGCGGCGATTCCGAGGACAGGCCGACTGCAGACAGGCCGTGCCCTGCCTGGC
CTCTGCCTGCCAGGCTGGATCTGCTATGCCGAGAAGACTCACGGCAGCTTCATCCTCCCCACATCAGC
ACCGCCCGGTCCCGCAGCAGGTGATGGCTCCCTGGTCAAGGACTTCTTCGCCCAGCAGCAGCACTTGA
CCCCTGACAAGATCTACCACGTACAGTGATGCCCTGCTATGACAAAAAGCTGGAAGCCTCCAGACCCGA
CTTTTCAACCAGGAGCACCAGACCGGATGTGGACTGTGCTCACAACAGGAGAAGTTTTAGGTTG
CTGGAGGAAGAGGGCGTCTCCCTCCCGACCTGGAACAGCCCTCTGGACAGCCTGTGCAGCGGTGCCCT
CTGCAGAGGAGCCACCAGCCATCGGGGAGGGGCTCGGGGGCTACCTGGAGCACGTGTTCCGGCACGC
GGCCCCGAGAGCTCTTTGGAATCCATGTGGCTGAGGTTACCTACAAACCCCTGAGGAACAAAGACTCCAG
GAGGTGACACTGGAGAAGGAGGGCCAGGTGCTGCTGCACTTCGCAATGGCGTACGGCTTCCGCAACATCC
AGAACCTGGTGCAGAGGCTCAAACGAGGGCGCTGCCCTACCACTACGTGGAGGTCATGGCTGCCCTC
AGGCTGCCTGAACGGCGGGGGCCAGCTCCAGGCCCCAGACAGGCCCAGCAGAGAGCTCCTCCAGCACGTG
GAGAGACTGTACGGCATGGTCCGGGCTGAGGCGCCCGAGGACGCGCCTGGGGTTCAGGAGCTGTACACAC
ACTGGTGCAGGGCACGGACTCGGAGTGTGCAGGTCGTTGCTGCATACGCAGTACCACGCCGTGGAGAA
GGCCAGCACTGGCTGGGCATCCGGTGGTAG
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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_022493 unedited ATCCCCGCCCCGTTGCCGCAAAGGGCGGTAGGCGTGTACGGTGGGAGGTCTATATAAGCA GAGCTCATTTAGGTGACACTATAGAATACAAGCTACTTGTCTTTTTGCAGCGGCCGCGA ATTCGGCACGAGGGTCGCCCTTCAGCGGGGCGCTGCAGCTGACGGACCTGGATGACTTCA TCGGGCCGTCTCAGGAGTGCATCAAGCCTGTCAAAGTGGAAAAAGGGCGGGAAGTGGCG TGGCCAAGATTTCGATTGAAGATGACGGGAGCTACTTCCAAATTAACCAAGACGGCGGGA CCCGGAGGCTGGAGAAGGCCAAGGTCTCGCTAACGACTGCCTGGCGTGCAGCGGCTGCA TCACCTCCGAGAGACCGTGCTTATCACCCAGCAGAGCCACGAGGAGCTGAAGAAGTTTC TAGATGCTAACAAAGATGGCGGCACCCAGTCAGCAGAGGCTGGTTGTAGTTTCGGTCTCAC CACAGTCTAGAGCATCGCTGGCTGCACGGTTTCAGCTGAATCCTACAGATACTGCCAGGA AATTAACCTCATTCTTTAAAAAATAGGGGTGCACTTCGTCTTCGACACCGCCTTCTCAA GGCCTTCAGCCTCCTGGAGAGCCAGCGAGAGTTTGTGCGGCGATTCCGAGGACAGGCCG ACTGCAGACAGGCACTGCCCTGCTGGCCTCTGCCTGCCAGGCTGGATCTGCTATGCCG AGAAGACTCACGGCAGCTTCATCCTCCNCCACATCAGCACCGCCCGGTCCCGCAGCAGG GCATGGGCTCCCTGGTCAAGGACTTCTTCGCCAGCAGCAGCACTTGACCCTGACAGAT CTACCACGTCACAGTGATGCCCTGCTATGACANAAAGCTGGGAGCCTCCAGACCCGACTT TTTACCAGGAGCCCAACACCGGATGGGGACTGTGCTCTACACAGGAAAGTC
Restriction Sites:	EcoRI-NOT
ACCN:	NM_022493
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_022493.1</u> , <u>NP_071938.1</u>
RefSeq Size:	2109 bp
RefSeq ORF:	1431 bp
Locus ID:	64428
UniProt ID:	<u>Q9H6Q4</u>
Cytogenetics:	16p13.3

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. Seems to negatively regulate the level of HIF1A expression, although this effect could be indirect.[UniProtKB/Swiss-Prot Function]

Transcript Variant: This variant (1) encodes the longer isoform (1).