

## Product datasheet for **SC108744**

### CNO (BLOC1S4) (NM\_018366) Human Untagged Clone

#### Product data:

|                           |                                                                                                   |
|---------------------------|---------------------------------------------------------------------------------------------------|
| Product Type:             | Expression Plasmids                                                                               |
| Product Name:             | CNO (BLOC1S4) (NM_018366) Human Untagged Clone                                                    |
| Tag:                      | Tag Free                                                                                          |
| Symbol:                   | CNO                                                                                               |
| Synonyms:                 | BCAS4L; BLOS4; CNO                                                                                |
| Mammalian Cell Selection: | None                                                                                              |
| Vector:                   | <u>pCMV6-XL5</u>                                                                                  |
| E. coli Selection:        | Ampicillin (100 ug/mL)                                                                            |
| Fully Sequenced ORF:      | >NCBI ORF sequence for NM_018366, the custom clone sequence may differ by one or more nucleotides |

ATGGAGGGTAGCTTTTCGGATGGCGGAGCGCTGCCGGAGGGGCTCGCGGAAGAGGCCGAGCCGAGGGCG  
CCGCCTGGAGCGGGGACAGTGGCACTGTTTCCAGAGCCACAGCAGCGCCTCGGGGCCGTGGGAGGACGA  
GGGCGCGGAGGACGGCGCGCCGGGCCGCGACCTGCCGCTGCTTCGCCGCGCCGCTCGGGGTACGCCGCC  
TGCCTGCTGCCCGGGGCCGGGGCGCGCCCGAGGTCGAGGCCCTGGACGCGAGCCTAGAGGACCTGCTTA  
CCAGAGTGGACGAGTTCGTGGGCATGCTGGACATGCTTCGCCGCGACTCGTCCACGTCGTCAGCGAGGG  
CGTGCCGCGCATCCACGCAAGGCCGCCGAGATGCGGCGCATCTACAGCAGGATCGACCGGCTGGAGGCC  
TTCGTGAGGATGGTGGGGGGCCCGTGGCCAGGATGGAGGAGCAGGTACCAAGGCCGAGGCCGAGCTGG  
GCACCTTCCCCAGGGCGTTCAAGAAGCTCCTGCACACGATGAACGTGCCCTCGCTCTTTAGCAAGTCTGC  
TCCCTCGAGGCCACAGCAAGCCGGCTACGAAGCCCCCGTCTGTTTCGGACCGAAGACTACTTCCCTTGT  
TGCAGTGAAAGGCCTCAGCTCTGA



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|-------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>5' Read Nucleotide Sequence:</b> | <p>&gt;OriGene 5' read for NM_018366 unedited</p> <pre> NGGGTCAGTATTTTGTAAACGACTCACTATTAGGGCGGCCGCGATTTCGGCACGAGGGCG CAGTCGGGTGGTCGCGGGCCATGGAGGGTAGCTTTTCGGATGGCGGAGCGCTGCCGGAGG GGCTCGCGGAAGAGGCCGAGCCGAGGGCGCCGCTGGAGCGGGACAGTGGCACTGTTT CCCAGAGCCACAGCAGCGCTCGGGGCCGTGGGAGGACGAGGGCGCGGAGGACGGCGCGC CGGGCCGCGACCTGCCGCTGCTTCGCCGCGCCGCTGCGGGCTACGCCGCTGCTGCTGC CCGGGGCCGGGGCGGGCCGAGGTCGAGGCCCTGGACGCGAGCCTAGAGGACCTGCTTA CCAGAGTGGACGAGTTCTGTGGGCATGCTGGACATGCTTCGCGGCGACTCGTCCCACGTCTG TCAGCGAGGGCGTGCCTGCGCATCCACGCGAAGGCCGCGGAGATGCGGCGCATCTACAGCA GGATCGACCGGCTGGAGGCCCTTCGTGAGGATGGTGGGGGGCCGCTGGCCAGGATGGAGG AGCAGGTCAACAAGGCCGAGGCCGAGCTGGGCACCTTCCCAGGGCGTTCAAGAAGCTCC TGCACACGATGAACGTGCCCTGCTCTTTAGCAAGTCTGCTCCCTCGAGGCCACAGCAAG CCGGCTACGAAGCCCCGCTCTGTTTCGGACCGAAGACTACTTCCCTTGTGCAAGTAA GGCCTCAGCTCTGACGGCTGACCACTGCGGNCAGAGGACCCAGCTGGNGTGCTTACCT CCAGTATGAAGTGAATTGCANATCTGCTTATGGACATATATGATGNTGGNAGTGTGGAT TTTAAAGTTTACTTTCTACAACCTCTCCGTAGTATATTCATGATTCAGTGTAAATGT </pre>                                                                |
| <b>3' Read Nucleotide Sequence:</b> | <p>&gt;OriGene 3' read for NM_018366 unedited</p> <pre> CGCGGCCGCAATCTAAAGTCGAGTTTTTTTTTTTTTTTTTTTTTTTTTCTTTGGTCTAC AATCCACGCTATAGGAGTTTAATATAATATTAATAATGTACCATTTACCCTAAAAGTA GGTTCTAAAAAATAATTAGGATTGAATAACAAGGCTTTAATGGCTCAATTTTCTTATGAT TATACAAACATATAAATCTTGAAAAGGTAAACGCCATTTAGTAAATCCATAAAAAATAACA GTTTTGCCACAGTGCAAAAAAAGTTTCATTCAGTTTGATTCCCATGCCCTCGACAAGCA GCTTTCTGATTAAAGCTGAAAAACACAGGCTGGGTGCAGTGGCGACCCCGTAGTCCCAGC TACTGGGAGGCTGAGGTGGAAGGATCACTTGAGCCCAGGAGTTTCCGAACAGTCTGGGC AACATACCAAGACCCTGTCTCTTTTTTTAAATTTGGAAGACATAAAGTCTATACATTCTA CACTGAATCATGAATATACTACGGAGAGTTTGTAGAAAGTAACTTTAAATCCCACACT CCAACATCATATATGTCCATAAGCAGGATTTGCAATTCATTCATACTGGAGGTAAGCAC CCCAGCTGGGGTCTCTTGCCGCAAGTGGTCAGGCCGCCAAAGCTGAGGCCTTCACTGCA ACAGGGGAAGAATTCTTCGGCCCGAAACAGGACGGGGGCTTTTAACCGGCTTGCTGTGC CCTCCAGGGACCAACCCGCCTATAAAGCGAGGGGCCCTTTCACGGTGTGCAGAAACCTT CTTGAACCCCTGGGGAAGGGGGCCACCCTCGGCCTCGGCCTCTGAGACCTGCTCCCCCAT TCTGGCCACCCGCCCCCACCCTCTCCAGAAGGCCTCCAACCGTTTACCCTGGTGTA ATCCCCGAAATCCGGGGCCCTTCGGGGATGCGCCGACCCCCCTCTTAACACCGGG ACAG </pre> |
| <b>Restriction Sites:</b>           | NotI-NotI                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>ACCN:</b>                        | NM_018366                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Insert Size:</b>                 | 1350 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>OTI Disclaimer:</b>              | 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).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Components:</b>                  | 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:**

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\\_018366.2](#), [NP\\_060836.1](#)

**RefSeq Size:** 1546 bp

**RefSeq ORF:** 654 bp

**Locus ID:** 55330

**UniProt ID:** [Q9NUP1](#)

**Cytogenetics:** 4p16.1

**Gene Summary:** This intronless gene encodes a protein that may play a role in organelle biogenesis associated with melanosomes, platelet dense granules, and lysosomes. A similar protein in mouse is a component of a protein complex termed biogenesis of lysosome-related organelles complex 1 (BLOC-1), and is a model for Hermansky-Pudlak syndrome. The encoded protein may play a role in intracellular vesicular trafficking. [provided by RefSeq, Jul 2008]