

## Product datasheet for **SC317951**

### **CNO6L (CNOT6L) (NM\_144571) Human Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	CNO6L (CNOT6L) (NM_144571) Human Untagged Clone
Tag:	Tag Free
Symbol:	CNOT6L
Synonyms:	CCR4b
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

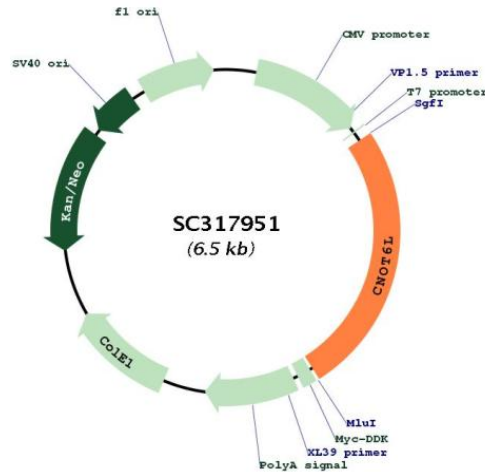


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Fully Sequenced ORF: >SC317951 representing NM\_144571.  
Blue=Insert sequence Red=Cloning site Green=Tag(s)

```
GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGAGACTAATAGGGATGCCAAAGGAAAAATATGATCCTCCAGATCCTCGCAGAATTTATACCATCATG
TCAGCAGAGGAGGTAGCCAATGGGAAAAATCTCACTGGGCAGAATTAGAAATCTCGGGTAGAGTGCGG
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CGCATTCCACCTGATATTGCCAAGCTTCATAATCTGGTTTACCTGGATCTGTCATCCAATAAACTCAGA
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CAGGATATTCTCAACTTATACCAGGACCCAGATGGAACCCGAAAGCTACTGAACTTCATGCTTGACAAT
CTCGCAGTTCATCCAGAGCAGCTTCTCCGAGGCCATGGATTACATTAAGAAGACGAGACCAAACTCTG
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TTCTCACTGTTAACACAACCTGAACTCCACCCTCACTCTGCCTCTTGTCAATGGTGTCACTTGCCT
AATCGGAGGTAG
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGCGC
```

Restriction Sites: Sgfl-Mlul

**Plasmid Map:**


**ACCN:** NM\_144571

**Insert Size:** 1668 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).

**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:**

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\\_144571.2](#)

**RefSeq Size:** 8794 bp

**RefSeq ORF:** 1668 bp

**Locus ID:** 246175

**UniProt ID:** [Q96LI5](#)

**Cytogenetics:** 4q21.1

<b>Domains:</b>	LRR, LRR_TYP, Exo_endo_phos, LRR_PS
<b>Protein Pathways:</b>	RNA degradation
<b>MW:</b>	63 kDa
<b>Gene Summary:</b>	<p>Has 3'-5' poly(A) exoribonuclease activity for synthetic poly(A) RNA substrate. Catalytic component of the CCR4-NOT complex which is one of the major cellular mRNA deadenylases and is linked to various cellular processes including bulk mRNA degradation, miRNA-mediated repression, translational repression during translational initiation and general transcription regulation. Additional complex functions may be a consequence of its influence on mRNA expression. May be involved in the deadenylation-dependent degradation of mRNAs through the 3' UTR AU-rich element-mediated mechanism. Involved in deadenylation-dependent degradation of CDKN1B mRNA. Its mRNA deadenylase activity can be inhibited by TOB1. Mediates cell proliferation and cell survival and prevents cellular senescence.</p> <p>[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (2) differs in the 5' UTR compared to variant 1. Variants 1 and 2 both encode the same protein.</p>