

## Product datasheet for SC310891

### CEACAM16 (NM\_001039213) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	CEACAM16 (NM_001039213) Human Untagged Clone
Tag:	Tag Free
Symbol:	CEACAM16
Synonyms:	CEAL2; DFNA4B; DFNB113
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC310891 representing NM_001039213. Blue=Insert sequence Red=Cloning site Green=Tag(s)

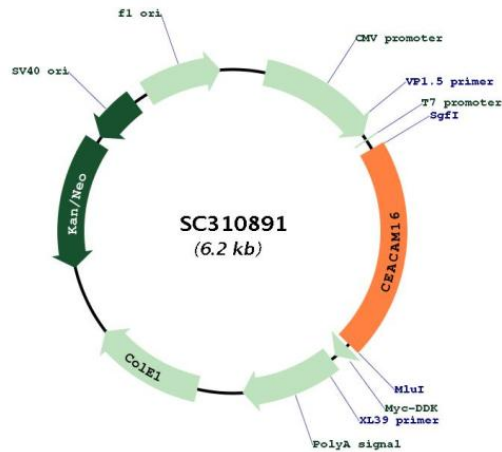
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ATCACCCTGGAGCCTGCCAGCCGAGCGAAGGGGACAACGTACGCTGGTCCATGGCTTTCCGGGG
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ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
```



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Restriction Sites: SgfI-MluI

Plasmid Map:



ACCN: NM\_001039213

Insert Size: 1278 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\\_001039213.3](#)

RefSeq Size: 1692 bp

RefSeq ORF: 1278 bp

Locus ID: 388551

UniProt ID: [Q2WEN9](#)

Cytogenetics: 19q13.31-q13.32

Protein Families: Transmembrane

MW: 45.9 kDa

**Gene Summary:** The protein encoded by this gene is a secreted glycoprotein that in mouse interacts with tectorial membrane proteins in the inner ear. The encoded adhesion protein is found in cochlear outer hair cells and appears to be important for proper hearing over an extended frequency range. Defects in this gene likely are a cause of non-syndromic autosomal dominant hearing loss. [provided by RefSeq, May 2012]