

## Product datasheet for **SC325645**

### NECAP2 (NM\_001145278) Human Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** NECAP2 (NM\_001145278) Human Untagged Clone  
**Tag:** Tag Free  
**Symbol:** NECAP2  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Fully Sequenced ORF:** >SC325645 representing NM\_001145278.  
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

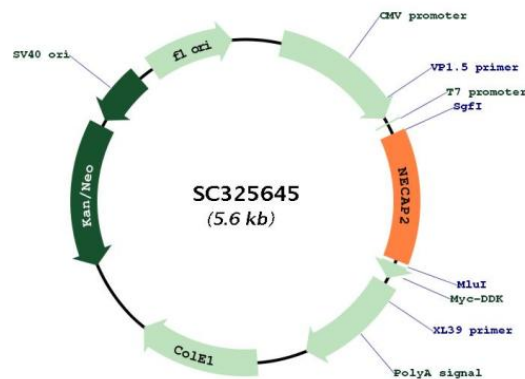
```
GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGAGGAGAGCGGGGCTGCGGAGTGGCAGCTGGACCAGCCATCATGGAGTGGCCGGCTGAGGATCACT
GCAAAGGGACAGATGGCCTACATCAAGCTGGAGGACAGGACGTCAGGGGAGCTCTTTGCTCAGGCCCCG
GTGGATCAGTTTCTGGCACAGCTGTGGAGAGTGTGACGGATTCCAGCAGGTAATTCGTGATCCGCATC
GAAGATGGAAATGGGCGACGGCGTTTATTGGAATTGGCTTCGGGGACCGAGGTGATGCCTTTGACTTC
AATGTTGCATTGCAGGACATTTCAAGTGGGTGAAACAGCAGTGTGAATTTGAAAACAAGCCAGAAC
CCAGACCAAGGCCCTAACTGGACCTGGCTTCAAGGAGGGCCAGACCATCAAGCTCAACATCGCAAAC
ATGAAGAAGAAGGAAGGAGCAGCTGGGAATCCCCGAGTCCGGCCTGCCAGCACAGGAGGGCTGAGCCTG
CTTCCCCCTCCCCAGGGGGGAAAACCTCCACCCTGATCCCTCCCCCTGGGGAGCAGTTGGCTGTGGGG
GGATCCCTCGTCCAGCCAGCAGTTGCTCCAGTTCAGGAGGTGCTCCTGTACCCTGGCCACAGCCCAAT
CCTGCCACTGCTGACATCTGGGGAGACTTTACCAAATCTACAGGATCACTTCCAGCCAGACCCAGCCA
GGCACAGGCTGGGTCCAGTTTGA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
```

**Restriction Sites:** SgfI-MluI



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## Plasmid Map:



**ACCN:** NM\_001145278

**Insert Size:** 714 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\\_001145278.1](#)

RefSeq Size: 2014 bp

RefSeq ORF: 714 bp

Locus ID: 55707

UniProt ID: [Q9NVZ3](#)

Cytogenetics: 1p36.13

MW: 25.3 kDa

**Gene Summary:** This gene likely encodes a member of the adaptin-ear-binding coat-associated protein family. Studies of a similar protein in rat suggest a role in clathrin-mediated endocytosis. Alternatively spliced transcript variants have been described. [provided by RefSeq, Feb 2009]  
Transcript Variant: This variant (3) uses an alternate in-frame splice site in the 5' coding region compared to variant 1. This results in a shorter protein (isoform 3) compared to isoform 1.