

Product datasheet for **MC206845**

Naca (BC099375) Mouse Untagged Clone

Product data:

| | |
|---------------------------|----------------------------------------------------------------------------|
| Product Type: | Expression Plasmids |
| Product Name: | Naca (BC099375) Mouse Untagged Clone |
| Tag: | Tag Free |
| Symbol: | Naca |
| Synonyms: | skNAC, mKIAA0363 |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |
| Fully Sequenced ORF: | >MC206845 representing BC099375. Blue=ORF Red=Cloning site Green=Tag(s) |

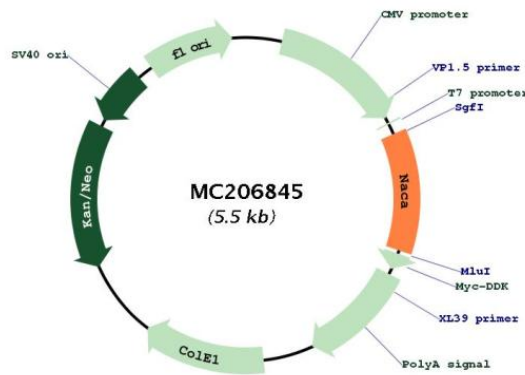
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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGCCCGGTGAAGCCACAGAAACCGTCCCTGCTACAGAGCAGGAGTTGCCACAGCCTCAGGCTGAGACA
GGATCGGGAACAGAGTCTGACAGTGATGAGTCAGTACCAGAGCTCGAGGAACAAGACTCCACACAGACG
GCCACGCAGCAAGCCCAGCTGGCAGCCGACGAGATCGATGAAGAACCTGTTAGTAAAGCCAAGCAG
AGTCGAAGTGAGAAGAAGCAAGGAAGGCTATGTCCAACTGGGTCTTCGACAGGTTACAGGGGTTACG
AGAGTCACTATCCGAAAATCTAAAATATCCTCTTTGTCATCACAAAACCCGATGTCTACAAGAGCCCA
GCTTCAGACACCTACATAGTGTTTGGGGAAGCCAAGATTGAAGATTTGTCTCAGCAAGCACAGTTAGCA
GCTGCTGAGAAATTCAAAGTTCAAGGTGAAGCTGTTTCAAACATTCAGGAAAACACTCAGACTCCAACC
GTCCAAGAGGAGAGTGAAGAAGAGGAGGTTGATGAGACGGGTGTGGAAGTTAAGGACATAGAAGTGGTC
ATGTCGCAAGCAAACGTATCAAGAGCAAAGGCTGTTTCGAGCCCTGAAAAACAACAGTAATGATATTGTA
AATGCTATTATGGAATTAACAATGTAA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
```

Restriction Sites: Sgfl-MluI



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Plasmid Map:



ACCN: BC099375

Insert Size: 648 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).

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: [BC099375](#)

RefSeq Size: 819 bp

RefSeq ORF: 647 bp

Locus ID: 17938

Cytogenetics: 10 D3

MW: 23.4 kDa

Gene Summary: Prevents inappropriate targeting of non-secretory polypeptides to the endoplasmic reticulum (ER). Binds to nascent polypeptide chains as they emerge from the ribosome and blocks their interaction with the signal recognition particle (SRP), which normally targets nascent secretory peptides to the ER. Also reduces the inherent affinity of ribosomes for protein translocation sites in the ER membrane (M sites) (By similarity). Isoform 1 and isoform 2 appear to bind DNA and play roles in transcription. Isoform 1 may function as a specific coactivator for JUN, acting to stabilize the interaction of JUN homodimers with promoter elements.
[UniProtKB/Swiss-Prot Function]