

Product datasheet for MC225214

Naca (NM_001113199) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Naca (NM_001113199) Mouse Untagged Clone
Tag: Tag Free
Symbol: Naca
Synonyms: AL022831; AL024382; Gm1878; mKIAA0363; skNAC
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC225214 representing NM_001113199
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGCCCGTGAAGCCACAGAAACCGTCCCTGCTACAGAGCAGGAGTTGCCACAGCCTCAGGCTGAGACAG
 CTGTGCTTCTATGTCTTCAGCCTTGAAGTTGCTGCTGTAGGGCAGCCTGGACCTACCCCTCCTTCTTC
 CCTGGGCCCCAGCAAAGCCCTATAGTAAGTCTCATCAGCCTTCTCCACTCCCTCTAGTGTTCCTCG
 ACCCCCTTTGAAGTTCTTTTGGCCAGCCATAACAGCTGAAACTGCTCTGCCCTCAGGAACTGCCCTC
 CCACCCCAACTTTCTGCCACACCTGATAGGGCCTCCCATTTCCCCAGCTGCGCTAGCCTTGGCCTCTCC
 CATGATAGGTCTAGCTCAGAAAGGTGCCAGGTCCTCCTCGGCTCCCTGTCTCTGGTTCGATTAGCTCCT
 CATTGGTTTCCAGAGGCTCTGTATGTCCTCCCTCACCTCTCACCTCACCTCCATCAGCTGCTGGAGCAG
 AGTTGGGGCATTGACAGCTTCCATCCCTCCCTTAGAACCAAAGACTTCTACCAGTCAAGTTCCCTCTCA
 GGAACCTGAATCTAAAAGGCACTGCCCGTGTCTCCAGATGTAGTCAGGGCTTTTCTTCCACCTT
 GAAAACCCCTGGCCTCTGTTGAGCCTGGTTAATGTCCTGTCTCAAACACTATCCAACACTTCCCCAG
 TGAAGGTGTCCTTCTCAGCTCTGACACAAAGTCGGCTAAGCCTTAACCTAAAGGACCTGTTAG
 TCCACCTGCTCGTAACACTGCAGCTCCAGCATCCCCCTAGCACCTCTACTTCTCTGGGCTGTCATCTT
 CCACTTCTGCATCACAGTTCTGTGGATTCTCCATCCAGCCTCCAGGTCAGTCAGGGCTTGCAGTGA
 ATCCCACTTCTGTAGGTCCTCTGGTATTGAGCCTCTTGCCACCTGAGAGATGTGAGTTCTGCCCT
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 AATGAGCTCTGCAGCCCTCCTGGCTCTTCAAATGTAGCTGGTACTTCTTGTCTCTAAAGCCTCTCTCG
 TTCCCAAAGTTCTAATGTTGCTCTACAGCCTTTGGTACTCAAGTTCCCGCTTCTCAAAAACTGGTTT
 AAAAGAAATTCCTGTCTCTGTATTGGAGCCACCACCATGCCCTGGATAACCTTCTGCCATTTCTGTA
 GCACCTGCCACTCATGTGCTCCTCAACTTCATCAGGCTTGTGAGTAGTAAAGACCCAGCTTCCCTG
 TCACGTAAGTCTCGTACCTGCTGCTCACAAAGCAGTTTCTGCTCCTCCAGCATCAGCTACTCTAGGGT
 GCCAGTGTCTCCTCTGCCAGCCACTGAAGGCTTAAAAATCTTCTATTTTCGGCATTAGTAAATGTAGGC
 GCCCTGTTTCTCCAGCCAGGCAGGGCTCCCTACCAGAAAAGACACTACTCTGCAGCCCTTGGCCCCCA



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TAGCACTTAAAGAGTCTCCCTCTTCTCAGAGTGCATCATCTCTGGAGGTACTTTTCAAGACACTGTAAC
 AAAGAAGACTACAGGAGGACCTGCCCTGTAGTGCGGCCAGCCATTGCTGGGGTTGCTACTACTTCC
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 CTCTCAAACGTTCTGTTACTGACCCAGCAATGGCTCTAGAACTGCCAAAAACTGTCCTTCTACCAC
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 ATTTAGCTGCCCCGGCTGTTCTGCCTGTCTCCAGCAAGAGCCAGCAGCTCCAGCTGCTGCAAGTGTTC
 CCTTCCCCAGCTACTGCAGCTCCTCAAACAGCTCCAAAAGAGGCCACAACAATCCCATCTTGTA AAAAG
 GCTGCAGCTACTGAGACCCCAATTGAGACTTCAACAGCTCCATCTCTCGAGGGGGCCCCCAAGGAGACCT
 CAGAAACTCAGTGTCCAAAGTTCTCATGTCTCCCTCCCAAAAAGGCTTCATCTCCAAAAGAGCCTC

CACTCTCCAGCTACAACCTTCCCTCTCTTAAAGAGGCCTCTGTTCTCTCACCCACTGCCACTTCTTCC
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 AAAAGTCCCATCAAAGAAAGGTCTACAGTTTCACGGAAATGCTTGTGCACCTGCTCCAGAAAGTGC
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 CCTCCGGAAGCTGTGTGCATCTGTGGCTCAAAGCCTGCCCCAGCAGCTTCCCTGACTCTTGCTCCCT
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 GGAGAGCCTTTCCAGCCGATCCTCGTCAACATGCCCGCCCTAAACCTGCTGGGACCCCTGCCAGCCC
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 ACCAGAGCTCGAGGAACAAGACTCCACACAGACGGCCACGCAGCAAGCCAGCTGCCAGCCGAGCAGAG
 ATCGATGAAGAACCTGTTAGTAAAGCCAAGCAGAGTCAAGTGAAGAAGGCAAGGAAGGCTATGTCCA
 AACTGGGTCTTCCAGAGTTACAGGGGTTACGAGAGTCACTATCCGAAAATCTAAAAATATCTCTTTGT
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 GAAGATTTGTCTCAGCAAGCACAGTTAGCAGCTGCTGAGAAATCAAAGTTCAAGGTGAAGCTGTTTCAA
 ACATTCAGGAAAACACTCAGACTCCAACCGTCCAAGAGGAGAGTGAAGAAGAGGAGTTGATGAGACGGG
 TGTGGAAGTTAAGGACATAGAAGTGGTCAATGTCGCAAGCAAACGTATCAAGAGCAAAGGCTGTTCCGACC
 CTGAAAAACAACAGTAATGATATTGTAATGCTATTATGGAATTAACAATGTA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_001113199
- Insert Size:** 6564 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:** NM_001113199.1, NP_001106670.1
- RefSeq Size:** 7034 bp
- RefSeq ORF:** 6564 bp
- Locus ID:** 17938

UniProt ID: [P70670](#)

Cytogenetics: 10 D3

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]

Transcript Variant: This variant (1) encodes the longer isoform (a).