

Product datasheet for RC225257

NACA (NM_001113202) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	NACA (NM_001113202) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	NACA
Synonyms:	HSD48; NAC-alpha; NACA1; skNAC
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC225257 representing NM_001113202. Blue=ORF Red=Cloning site Green=Tag(s)

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GTCGTTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGCCCGGCGAAGCCACAGAAACCGTCCCTGCTACAGAGCAGGAGTTGCCGCAGCCCCAGGCTGAGACA
GGGTCTGGAACAGAATCTGACAGTGATGAATCAGTACCAGAGCTTGAAGAACAGGATTCACCCAGGCA
ACCACACAACAAGCCCAGCTGGCGGCAGCAGCTGAAATCGATGAAGAACCAGTCAGTAAAGCAAAACAG
AGTCGGAGTGAAAAGAAGGCACGGAAGGCTATGTCCAACTGGGTCTTCGGCAGGTTACAGGAGTTACT
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GCTTCAGATACTTACATAGTTTTTGGGGAAGCCAAGATCGAAGATTTATCCAGCAAGCACAACTAGCA
GCTGCTGAGAAATTCAAAGTTCAAGGTGAAGCTGTCTCAAACATTCAAGAAAACACAGACTCCAAC
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ATGTACAAAGCAAATGTGTGAGAGCAAAGGCAGTCCGAGCCCTGAAGAACAACAGTAATGATATTGTA
AATGCGATTATGGAATTAACAATG
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGCGC
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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 ORF: 648 bp

Locus ID: 4666

UniProt ID: [Q13765](#)

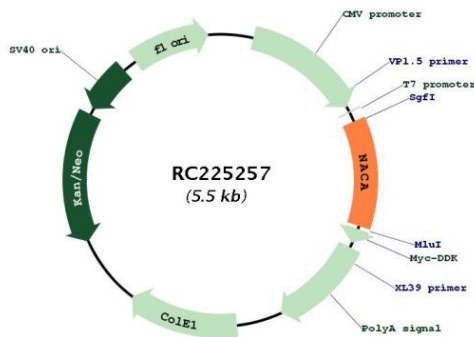
Cytogenetics: 12q13.3

Protein Families: Druggable Genome, Transcription Factors

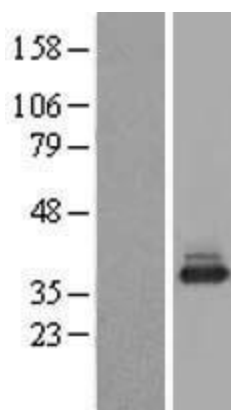
MW: 23.4 kDa

Gene Summary: This gene encodes a protein that associates with basic transcription factor 3 (BTF3) to form the nascent polypeptide-associated complex (NAC). This complex binds to nascent proteins that lack a signal peptide motif as they emerge from the ribosome, blocking interaction with the signal recognition particle (SRP) and preventing mistranslocation to the endoplasmic reticulum. This protein is an IgE autoantigen in atopic dermatitis patients. Alternative splicing results in multiple transcript variants, but the full length nature of some of these variants, including those encoding very large proteins, has not been determined. There are multiple pseudogenes of this gene on different chromosomes. [provided by RefSeq, Feb 2016]

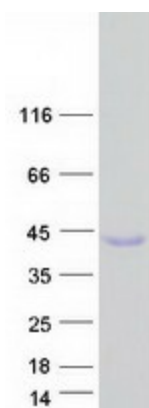
Product images:



Circular map for RC225257



Western blot validation of overexpression lysate (Cat# [LY426388]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with [RC225258] using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified NACA protein (Cat# [TP325257]). The protein was produced from HEK293T cells transfected with NACA cDNA clone (Cat# RC225257) using MegaTran 2.0 (Cat# [TT210002]).