

Product datasheet for RC207037

Alpha SNAP (NAPA) (NM_003827) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Alpha SNAP (NAPA) (NM_003827) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Alpha SNAP
Synonyms:	SNAPA
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC207037 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGACAATTCGGGAAGGAAGCGGAGGCGATGGCGCTGTTGGCCGAGGCGGAGCGCAAAGTGAAGAACT
CGCAGTCCTTCTTCTCTGGCCTCTTTGGAGGCTCATCCAAAATAGAGGAAGCATGCGAAATCTACGCCAG
AGCAGCAAACATGTTCAAATGGCCAAAACCTGGAGTGTCTGTTGAAACCGGTTCTGCCAGGCTGCACAG
CTGCACCTGCAGCTCCAGAGCAAGCACGACGACCCACCTGCTTTGTGGACGCTGGCAACGCATTCAAGA
AAGCCGACCCCAAGAGGCCATTAAGTGTGGATGCGAGCAATCGAGATCTACACAGACATGGGCCGATT
CAGGATTGCGGCCAAGCACCACATCTCCATTGCTGAGATCTATGAGACAGAGTTGGTGGACATCGAGAAG
GCCATTGCCACTACGAGCAGTCTGCACTACTACAAAGGCGAGGAGTCCAACAGCTCAGCCAACAAGT
GTCTGCTGAAGGTGGCTGGTTACGCTGCGCTGCTGGAGCAGTATCAGAAGGCCATTGACATCTACGAACA
GGTGGGGACCAATGCCATGGACAGCCCCCTCTCAAGTACAGCGCCAAAGACTACTTCTTCAAGGCGGCC
CTCTGCCACTTCTGCATCGACATGCTCAACGCCAAGCTGGCTGTCCAAAAGTATGAGGAGCTGTTCCAG
CTTTCTCTGATCCCGGGAATGCAAGTTGATGAAAAAATGCTAGAGGCCACGAGGAGCAGAATGTGGA
CAGCTACACCGAGTCGGTGAAGGAATACGACTCCATCTCCCGCTGGACCAGTGGCTCACCACCATGCTG
CTGCGCATCAAGAAGACCATCCAGGGCGATGAGGAGACCTGCGC

AG**CGGACCG**ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
TGGATTACAAGGATGACGACGATAAGGTTTAA



[View online »](#)

Protein Sequence: >RC207037 protein sequence
Red=Cloning site Green=Tags(s)

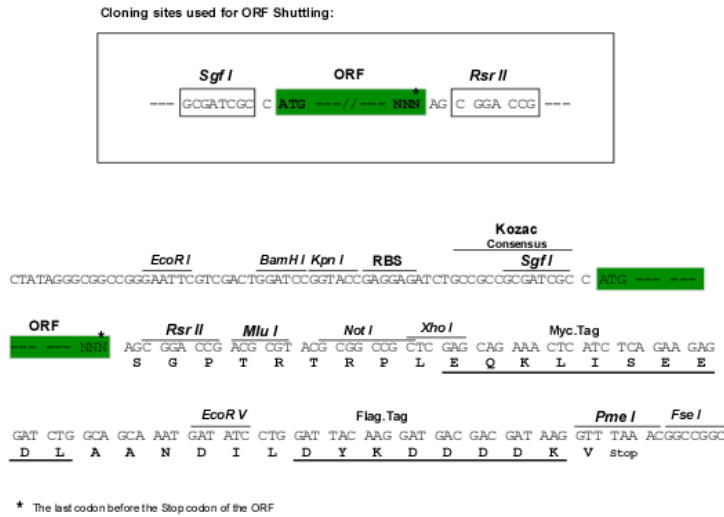
MDNSGKEAEAMALLAEERKVKNSQSFSSGLFGGSSKIEEACEIYARAANMFKMAKNWSAAGNAFCQAAQ
 LHLQLQSKHDAATCFVDAGNAFKKADPQEAINCLMRAIEIYDTMGRFTIAAKHHISIAEITYETELVDIEK
 AIAHYEQSADYYKGEESNSSANKCLLVAGYAALLEQYQKAIIDIYEQVTNAMDSPLLKYSAKDYFFKAA
 LCHFCDIDMLNAKLAVQKYEELFFAFSDSRECKLMKKLLEAHEEQNVDSYTESVKEYDSISRDLQWLTML
 LRIKKTIQGDEEDLR

SGPTRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6183_b06.zip

Restriction Sites: SgfI-RsrII

Cloning Scheme:



ACCN: NM_003827

ORF Size: 885 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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_003827.4](#)

RefSeq Size: 1865 bp

RefSeq ORF: 888 bp

Locus ID: 8775

UniProt ID: [P54920](#)

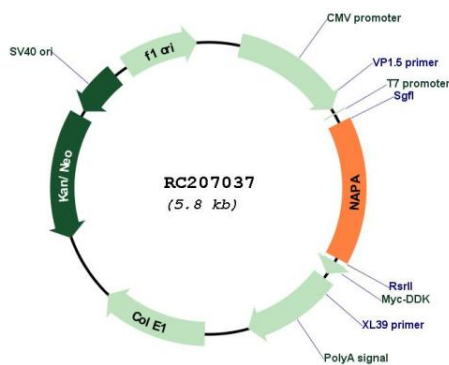
Cytogenetics: 19q13.32-q13.33

Domains: NSF

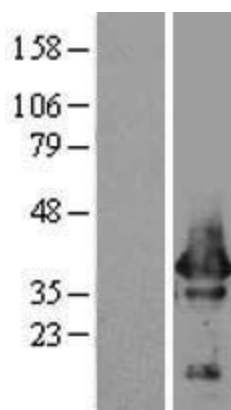
MW: 33.2 kDa

Gene Summary: This gene encodes a member of the soluble NSF attachment protein (SNAP) family. SNAP proteins play a critical role in the docking and fusion of vesicles to target membranes as part of the 20S NSF-SNAP-SNARE complex. The encoded protein plays a role in the completion of membrane fusion by mediating the interaction of N-ethylmaleimide-sensitive factor (NSF) with the vesicle-associated and membrane-associated SNAP receptor (SNARE) complex, and stimulating the ATPase activity of NSF. Alternatively spliced transcript variants have been observed for this gene. [provided by RefSeq, Jun 2011]

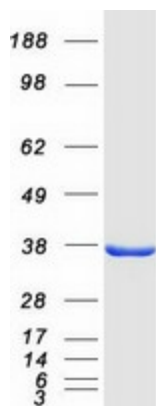
Product images:



Circular map for RC207037



Western blot validation of overexpression lysate (Cat# [LY401256]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC207037 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified NAPA protein (Cat# [TP307037]). The protein was produced from HEK293T cells transfected with NAPA cDNA clone (Cat# RC207037) using MegaTran 2.0 (Cat# [TT210002]).