

Product datasheet for **SC127043**

Alpha SNAP (NAPA) (NM_003827) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Alpha SNAP (NAPA) (NM_003827) Human Untagged Clone
Tag:	Tag Free
Symbol:	Alpha SNAP
Synonyms:	SNAPA
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC127043 sequence for NM_003827 edited (data generated by NextGen Sequencing)

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ATGGACAATTCGGGAAGGAAGCGGAGGCGATGGCGCTGTTGGCCGAGGCGGAGCGCAA  
GTGAAGAAGCTCGCAGTCTTCTTCTCTGCCTCTTTGGAGGCTCATCCAAATAGAGGAA  
GCATGCGAAATCTACGCCAGAGCAGCAAACATGTTCAAAATGGCCAAAACTGGAGTGCT  
GCTGGAACCGTCTTCTGCCAGGCTGCACAGCTGCACCTGCAGCTCCAGAGCAAGCACGAC  
GCAGCCACCTGCTTTGTGGACGCTGGCAACGCATTCAAGAAAGCCGACCCCAAGAGGCC  
ATTAAGTGTGGATGCGAGCAATCGAGATCTACACAGACATGGGCCGATTACGATTGCG  
GCCAAGCACCACATCTCCATTGCTGAGATCTATGAGACAGAGTTGGTGGACATCGAGAAG  
GCCATTGCCACTACGAGCAGTCTGCAGACTACTACAAAGGCGAGGAGTCCAACAGCTCA  
GCCAACAAGTGTCTGCTGAAGGTGGCTGGTTACGCTGCGCTGCTGGAGCAGTATCAGAAG  
GCCATTGACATCTACGAACAGGTGGGGACCAATGCCATGGACAGCCCCCTCTCAAGTAC  
AGCGCCAAAGACTACTTCTTCAAGGCGGCCCTCTGCCACTTCTGCATCGACATGCTCAAC  
GCCAAGCTGGCTGTCCAAAAGTATGAGGAGCTGTTCCAGCTTTCTCTGATTCCCGGGAA  
TGCAAGTTGATGAAAAATTGCTAGAGGCCACGAGGAGCAGAATGTGGACAGCTACACC  
GAGTCGGTGAAGGAATACGACTCCATCTCCCGCTGGACCAAGTGGCTCACCACCATGCTG  
CTGCGCATCAAGAAGACCATCCAGGCGATGAGGAGGACCTGCGCTAA
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Clone variation with respect to NM_003827.3



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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_003827 unedited GTAATACGACTCACTATAGGGCGGCCGGAATTCGGCACGAGGGCGCTTTGCTGAGTCCC TTTGTGGCCGCCATGGACAATCCGGGAAGGAAGCGGAGGCGATGGCGCTGTTGGCCGAG GCGGAGCGCAAAGTGAAGAACTCGCAGTCTTCTTCTCTGGCCTCTTTGGAGGCTCATCC AAAATAGAGGAAGCATGCGAAATCTACGCCAGAGCAGCAAACATGTTCAAATGGCCAAA AACTGGAGTGCTGCTGGAAACGCGTTCTGCCAGGCTGCACAGCTGCACCTGCAGTCCAG AGCAAGCACGACGACGCCACCTGCTTTGTGGACGCTGGCAACGCATTCAAGAAAGCCGAC CCCAAGAGGCCATTAAGTGTGGATGCGAGCAATCGAGATCTACACAGACATGGGCCGA TTCACGATTGCGGCCAAGCACCATCTCCATTGCTGAGATCTATGAGACAGAGTTGGTG GACATCGAGAAGGCCATTGCCACTACGAGCAGTCTGCAGACTACTACAAAGGCGAGGAG TCCAACAGCTCAGCCAACAAGTGTCTGCTGAAGGTGGCTGTTACGCTGCGCTGCTGGAG CAGTATCAGAAGGCCATTGACATCTACGAACAGGTGGGGACCAATGCCATGGACAGCCCC CTCCTCAGTACAGCGCCAAAACACTTCTTCAAGCGGCCCTCTGCCACTCTGCATCGACA TGCTCAACGCCAGCTGGCTGCCAAAGTATGAAGAGCTGTTCCAGCTTCTCTGATTCCNG GGATGCAGTGATGAAAAATGCTAGAGGCCACGAGAGCAGATGTGGCAGCTCACCAGTCT GGTGAGGATACGATNCATTTCCGCTGGACAGTNTCCACACTGCT</p>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_003827 unedited GGCCGCAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTTTTTTTTCATGCAAAAAGTGTGTT TTTTATTTTCTTTCTGGGCCAGCTGCAGCTTCCAACCAAAAAAACCTCAAAGCATTAGG GAAGGACCAGGTGTGGGGCTGGGGTGGGAAAAATCCCCTAAGCTCCAGGGCCAGGGTCT AACCTGAAAGGTGCGGGCTGCAGGAAGCTGGGGGAGGCTCCCGGGCTGGGGGAAGAGGA GCCTGCCCCAGCAAAAACAGCAGTCTCAGCGGCTACATGTGCTTTAAAGCTTGGCTGG AGGACAAAAGTGGGAGAGAGAGAAAACCGCCTCATGACTCAGCTGGTCAAGGATAGG GGGCCAGATGCTGACCCCAAATCCCGGCAGCACCCCTAGCAAATAGGTCTGTATCAAAG ATTCTGTACAGCTGGTTTTGGGGTGAAGGGCACCTATGGGGGCTTAAATAAATGGACAG GGGGCAAGGGATGTANCGAGAACAGAGGGTGACTGTCCGGCCAGCAGCCTGNGCCTCTGG CGCCCCCTGCATGCTGACCCCGGTGCCACTGCCACTGTGGCCCGGGGACTCCCCAGA TGGGAAAGGAGGGAAGCTCTCCAGCAAGTCTCGGCCACCTCTCTCTGAGCANATGGGA CAGGAAGACGGGCACTGGGGGGCTGGTGGGGTTACCGCAGGTCTCCTCATCGCCCT GGATGGTCTTCTTGATGCGCANCAGCATGGTGGTGAACCCACTGTCCAGCCCGGAAGATG GAGTCGATTCCCTCACCGACTCGGGTAAGTGTCCACATTCTGCTCCTCGGGGGCCTCTA CCATTTTTTCATTCACTGGCATCCCGGAAATCAAAGAAGCTGGAACAGTTCCTATACTT TTGGACACCCCTTGCCGTTGACATGTAATGCAAGGGGGAAGAGGCGCCTGAAAAATATCC TTGGCCTCCTTAAGAGGGCCTGTCTT</p>
Restriction Sites:	NotI-NotI
ACCN:	NM_003827
Insert Size:	1710 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_003827.2](#), [NP_003818.2](#)

RefSeq Size: 1846 bp

RefSeq ORF: 888 bp

Locus ID: 8775

UniProt ID: [P54920](#)

Cytogenetics: 19q13.32-q13.33

Domains: NSF

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]

Transcript Variant: This variant (1) represents the longest transcript and encodes the functional protein. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.