

Product datasheet for **SC322262**

SNAP25 (NM_003081) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SNAP25 (NM_003081) Human Untagged Clone
Tag:	Tag Free
Symbol:	SNAP25
Synonyms:	bA416N4.2; CMS18; dj1068F16.2; RIC-4; RIC4; SEC9; SNAP; SNAP-25; SUP
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for SC322262
 TGCTCGGCGGCTCCACCACAGTTGCAACCTGCAGAGGCCCGGAGAACACAACCTCCCGA
 GAAGCCCAGGTCCAGAGCCAAACCCGTCCTGACCCCCAGCCAGGCGCCAGCCACTC
 CCCACCGTACCATGGCCGAAGACGCAGACATGCGCAATGAGCTGGAGGAGATGCAGCGA
 AGGGCTGACCAGTTGGCTGATGAGTCGCTGGAAGCACCCGTCGATGCTGCAACTGGTT
 GAAGAGAGTAAAGATGCTGGTATCAGGACTTTGGTTATGTTGGATGAACAAGGAGAACAA
 AATTTAAAAGATTTAGGGAAATGCTGTGGCCTTTTCATATGTCCTTGTAACAAGCTTAAA
 TCAAGTGATGCTTACAAAAAGCCTGGGCAATAATCAGGACGGAGTGGTGGCCAGCCAG
 CCTGCTCGTGTAGTGGACGAACGGGAGCAGATGGCCATCAGTGGCGGCTTCATCCGAGG
 GTAACAAATGATGCCCGAGAAAATGAAATGGATGAAAACCTAGAGCAGGTGAGCGGCATC
 ATCGGGAACCTCCGTACATGGCCCTGGATATGGGCAATGAGATCGATACACAGAATCGC
 CAGATCGACAGGATCATGGAGAAGGCTGATTCCAACAAAACCAGAATTGATGAGGCCAAC
 CAACGTGCAACAAAGATGCTGGGAAGTGGTTAAGTGTGCCACCCGTTCTCTCCTCCAAA
 TGCTGTGGGCAAGATAGCTCCTTCATGCTTTTCTCATGGTATTATCTAGTAGGCTGCA
 CACATAACACACATCAGTCCACCCCATGTGAATGTTGTCCTGTGTCATCTGTACAGCTT
 CCCAACATACTTTGTGCTTTTGTCTCTCTTGGTCTCTTTCTTCCAAAGGTTGTACA
 TAGTGGTCATTTGGTGGCTCTAACTCCTTGATGTCCTGAGTTTCATTTTTCTCTCT
 CCTCGGTGGCATTGTGCTGAATAACAACAATTTAGGAATGCTCAATGTGCTGTTGATTCTT
 TCAATCCACAGTATTGTTCTTGTAAAATGTGACATTCCACAGAGTTACTGCCACGGTCC
 TTTGAGTGTGAGGCTCTGAATCTCTCAAAATGTGCCGCTTTGGTTCCTCATGGCTGTTA
 TCTGTCTTTATGATTTTCATGATTAGACAATGTGGAATTACATAACAGGCATTGCACTAAA
 AGTGATGTGATTTATGCATTTATGCATGAGAATAAATAGATTTTTAGATTCTACTTAA
 ACAAAAAATTTCCATGACAGTAGCATACTGATGAGACAACACACACACAAAAACAAC
 AGCAACAACAACAGAACACAACAAGCATGCTCAGTATTGAGACACTGTCAAGATTAAG
 TTATACCAGCAAAAGTGCAGTAGTGTCACTTTTTTCTGTCAATATATAGAGACTTCTAA
 ATCATAATCATCTTTTTTAAAAAAAAGAATTTTAAAAAAGATGGATTTGACACACTCAC
 CATTTAATCATTCCAGCAAAATATATGTTTGGCTGAAATATGTCAAATGGATGTAATA
 TAGGGTTTGTGTTGCTGCTTTTGTGGCTACGTTTTGGAGAGCAATCTTGCTGTGAAAC
 AGTGTGGATGAAATTTATAAGGCTGACTCTTACTAACCACCATTTCCCTGTGGTTTG
 TTATCAGTACAATCTTTGTTGCTTAATCTAGAGCTATGCACACCAAATGCTGAGATGT
 TTAGTAGCTGATAAAGAAACCTTTTAAAAAATAATATAAATGAATGAAATATAAAGTGT
 GAGATAAATATCATTATAGCATGTAATATTAATTCCTCCTGTCTCCTGTGCAAGTTGT
 GAAGTGATTGACATTTGTAGCTAGTTTAAATTTAAAAAATTATAGACTCCAAAAAAA
 AAAAAAAA

Restriction Sites: Please inquire

ACCN: NM_003081

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).

OTI Annotation: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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:	<ol style="list-style-type: none">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_003081.2 , NP_003072.2
RefSeq Size:	2053 bp
RefSeq ORF:	621 bp
Locus ID:	6616
UniProt ID:	P60880
Cytogenetics:	20p12.2
Domains:	t_SNARE, SNAP-25
Protein Families:	Druggable Genome
Protein Pathways:	SNARE interactions in vesicular transport
Gene Summary:	<p>Synaptic vesicle membrane docking and fusion is mediated by SNAREs (soluble N-ethylmaleimide-sensitive factor attachment protein receptors) located on the vesicle membrane (v-SNAREs) and the target membrane (t-SNAREs). The assembled v-SNARE/t-SNARE complex consists of a bundle of four helices, one of which is supplied by v-SNARE and the other three by t-SNARE. For t-SNAREs on the plasma membrane, the protein syntaxin supplies one helix and the protein encoded by this gene contributes the other two. Therefore, this gene product is a presynaptic plasma membrane protein involved in the regulation of neurotransmitter release. Two alternative transcript variants encoding different protein isoforms have been described for this gene. [provided by RefSeq, Jul 2008]</p> <p>Transcript Variant: This variant (1) contains 8 exons and encodes isoform SNAP25A.</p>