

## Product datasheet for **MC201477**

### Snap25 (NM\_011428) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Snap25 (NM_011428) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Snap25
Synonyms:	Bdr; GENA70; SNAP-25; sp; SUP
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >BC018249 sequence for NM\_011428  
 TGCAGGGATCAGCGGACAGCATCCTCCGGAGAAGACAAGGTTCTTTAACGAAGCACCCTGACTTGCTGG  
 CCCAAGCGCCCAGCAACCCACCAGTACCATGGCCGAAGACGCAGACATGCGCAATGAGCTGGAGGAG  
 ATGCAGAGGAGGGCTGACCAGCTGGCTGATGAGTCCCTGGAAAGCACCCGTCGCATGCTGCAGCTGGTTG  
 AAGAGAGTAAAGATGCTGGCATCAGGACTTTGGTTATGTTGGATGAGCAAGGCGAACAACCTGGAACGCAT  
 TGAGGAAGGGATGGACCAAATCAATAAGGACATGAAAGAAGCAGAAAAGAATTTGACGGACCTAGGAAAA  
 TTCTGCGGGCTTTGTGTGTGTCCTGTAAACAAGCTTAAATCCAGTGATGCTTACAAAAAAGCCTGGGGCA  
 ATAATCAGGATGGAGTAGTGGCCAGCCAGCCTGCCCGTGTGGTGGATGAACGGGAGCAGATGGCCATCAG  
 TGGTGGCTTCATCCGCAGGGTAACAAATGATGCCCGGAAAAATGAGATGGATGAGAACCTGGAGCAGGTG  
 AGCGGCATCATCGGAAACCTCCGCCATATGGCTCTAGACATGGGCAATGAGATTGACACCCAGAATCGCC  
 AGATCGACAGGATCATGGAGAAGGCTGATCCAACAAAACCAGAAATTGATGAAGCCAACCAACGTGCAAC  
 AAAGATGCTGGGAAGTGGTTAAATTTGCCCTTCTGCTGTGCTCTCCTCCAAATGTTGTTGGACAAGAGAG  
 CTCCTTCATGCTTCTCATGGTATTACCTAGTAGGTCTTGCACATACACACACACACACACACACACAC  
 ACACACACACACACACACACACAGAGTCAGTCACCCCATTTGAAATGTCCTGTGTGCTCTGTGCTGCTG  
 CTTCCCAATGATACCATGTGTTTTTTGTTTTTCTCTGGCTCTCTTTCTTTCCAAAGGCTGTACATAGTGG  
 TCATCTGGTGGCTCTAATTCCTAACTTAAGATGTCTGGGTCTCGTTTTTTTTTTTTTTTTTTCTTTCTCAGT  
 GCGTTTGTGAATGACAACAATTTAGGAATGCTCAATGTGCTGTTGATTTTCTCAATACACAGTATTGTT  
 CTTGTA AAACTGTGACATTCCACAGAGCTACTGCCACAATCCTTTCTTAGGGTGTGAGGCTCTGAATCTC  
 TCCAAATGTGCTGCTTTGGTTCCTCATGGCTATTCTTTGCTTTATGATTTTATAATTAGACAATGTGA  
 AATTACATAACAGGCATTGCACTAAAAGTGATGTGATTTATGCATTTATGCATGAGAATAAATAGACTT  
 TTAGATTCCTACTTAAACAAAACTTTCCATGACAGTAGCATACTGACAAGAAAACACACAACAGCAACA  
 ATAACAAGCAACAACACTACGCATGCTCAGTATTGGGACACTGTCAAGATTAAGTCATACCAGCAAAACCT  
 GCAGCTGTGCACCTTCTTTCTGTCAACCTACAGACTTACTGATTATAATCATCCCATTTCTTTTTTTTC  
 ACATATACATACACACACACACACACACAAAGTGGATTTAACACACCATTAATCATTCTTAGCAAAAT  
 ATGTGTTTGGCTGAAACTATGTGAAATGGATGTAATATAGGGTTTGTGCAATGCTTTTGAAGCTATGTT  
 TTGGAGACAATACTCTTGCTATGTGAAAACGTGAAGATCTTCTACGCTGGCTCTTGTAAATCACCATC  
 TCCCGTGGTTTGTATCAGTACAATTCTCTGTTGCTTAATCTAGAGCTATGCACACCAAAATGCTGAGA  
 TGTTTAGTAGCTGATAAAGAAACCTTTAAAAAATTATATAAATGAATGAAATATAGATAAATGTGAGAT  
 AAATATCATTACAGCATGATATTAATCCCTCTGTCTCTCAAAAAAAAAAAAAAAAAA

**Restriction Sites:** RsrII-NotI

**ACCN:** NM\_011428

**Insert Size:** 621 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: [BC018249](#), [AAH18249](#)

RefSeq Size: 1949 bp

RefSeq ORF: 621 bp

Locus ID: 20614

UniProt ID: [P60879](#)

Cytogenetics: 2 67.56 cM

**Gene Summary:** t-SNARE involved in the molecular regulation of neurotransmitter release (PubMed:8243676, PubMed:8103915). May play an important role in the synaptic function of specific neuronal systems. Associates with proteins involved in vesicle docking and membrane fusion. Regulates plasma membrane recycling through its interaction with CENPF (PubMed:16672379). Modulates the gating characteristics of the delayed rectifier voltage-dependent potassium channel KCNB1 in pancreatic beta cells (By similarity). [UniProtKB/Swiss-Prot Function]  
Transcript Variant: This variant (1) encodes isoform a. Variants 1 and 3 both encode the same isoform (a).