

Product datasheet for **MC226297**

Snap25 (NM_001291056) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Snap25 (NM_001291056) Mouse Untagged Clone
Tag: Tag Free
Symbol: Snap25
Synonyms: Bdr; GENA70; SNAP-25; sp; SUP
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC226297 representing NM_001291056
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGGCCGAAGACGCAGACATGCGCAATGAGCTGGAGGAGATGCAGAGGAGGGCTGACCAGCTGGCTGATG
AGTCCCTGGAAAGCACCCGTCGCATGCTGCAGCTGGTTGAAGAGAGTAAAGATGCTGGCATCAGGACTTT
GGTTATGTTGGATGAGCAAGGCCAACAACCTCGATCGTGTGCAAGAAGGCATGAACCATATCAACCAAGAC
ATGAAGGAGGCCGAGAAAATTTAAAAGATTTAGGCAAATGCTGTGGCCTTTTCATATGTCTTGTAAACA
AGCTTAAATCCAGTGATGCTTACAAAAAGCCTGGGGCAATAATCAGGATGGAGTAGTGGCCAGCCAGCC
TGCCCGTGTGGTGGATGAACGGGAGCAGATGGCCATCAGTGGTGGCTTCATCCGCAGGGTAACAAATGAT
GCCCGGAAAAATGAGATGGATGAGAACCCTGGAGCAGGTGAGCGGCATCATCGGAAACCTCCGCCATATGG
CTCTAGACATGGGCAATGAGATTGACACCCAGAATCGCCAGATCGACAGGATCATGGAGAAGGCTGATTC
CAACAAAACCAGAATTGATGAAGCCAACCAACGTGCAACAAAGATGCTGGGAAGTGGTTAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001291056
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).



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OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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:	<u>NM_001291056.1</u> , <u>NP_001277985.1</u>
RefSeq Size:	2135 bp
RefSeq ORF:	621 bp
Locus ID:	20614
UniProt ID:	<u>P60879</u>
Cytogenetics:	2 67.56 cM
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (2) lacks an in-frame exon but contains a different in-frame exon in the central coding region, compared to variant 1. The encoded isoform (b) is the same length but contains an alternate internal segment, compared to isoform a.</p>