

Product datasheet for MR228508

Snap25 (NM_001291056) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Snap25 (NM_001291056) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Snap25
Synonyms: Bdr; GENA70; SNAP-25; sp; SUP
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >MR228508 representing NM_001291056
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCCGAAGACGCAGACATGCGCAATGAGCTGGAGGAGATGCAGAGGAGGGCTGACCAGCTGGCTGATG
 AGTCCCTGGAAAGCACCCGTCGCATGCTGCAGCTGGTTGAAGAGAGTAAAGATGCTGGCATCAGGACTTT
 GGTATGTTGGATGAGCAAGGCCAACAACCTCGATCGTGTGCAAGAAGGCATGAACCATATCAACCAAGAC
 ATGAAGGAGGCCGAGAAAATTTAAAAGATTTAGGCAAATGCTGTGGCCTTTTCATATGTCTTGTAAACA
 AGCTTAAATCCAGTGATGCTTACAAAAAGCCTGGGGCAATAATCAGGATGGAGTAGTGGCCAGCCAGCC
 TGCCCGTGTGGTGGATGAACGGGAGCAGATGGCCATCAGTGGTGGCTTCATCCGCAGGGTAACAAATGAT
 GCCCGGAAAAATGAGATGGATGAGAACCCTGGAGCAGGTGAGCGGCATCATCGGAAACCTCCGCCATATGG
 CTCTAGACATGGGCAATGAGATTGACACCCAGAATCGCCAGATCGACAGGATCATGGAGAAGGCTGATTC
 CAACAAAACCAGAATTGATGAAGCCAACCAACGTGCAACAAAGATGCTGGGAAGTGGT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR228508 representing NM_001291056
 Red=Cloning site Green=Tags(s)

MAEDADMRNELEEMQRRADQLADESLESTRRLQLVEESKDAGIRTLVMLDEQGEQLDRVEEGMNHINQD
 MKEAEKNLKDGLGCCGLFICPCNKLKSSDAYKKAWGNNQDGVVASQP PARVVDEREQMAISGGFIRRVNTD
 ARENEMDENLEQVSGIIGNLRHMALDMGNEIDTQNRQIDRIMEKADSNKTRIDEANQRATKMLGSG

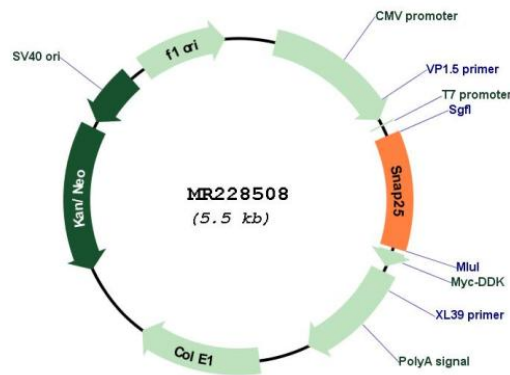
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI



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Cloning Scheme:

Plasmid Map:


ACCN: NM_001291056

ORF Size: 618 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_001291056.1](#), [NP_001277985.1](#)

RefSeq Size: 2135 bp

RefSeq ORF: 621 bp

Locus ID: 20614

UniProt ID: [P60879](#)

Cytogenetics: 2 67.56 cM

MW: 23.8 kDa

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]