

## Product datasheet for MR222120

### Snap23 (NM\_009222) Mouse Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Snap23 (NM\_009222) Mouse Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Snap23  
**Synonyms:** 23kDa; AA408749; SNAP-23; Sndt; Syndet  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**ORF Nucleotide Sequence:** >MR222120 ORF sequence  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCCCGGATCGCC

ATGGATAATCTGTCCCCAGAGGAAGTTCAGCTGCGGGCTCACCAGGTTACTGATGAGTCTCTGAAAAGCA  
 CAAGGAGAATCCTGGTTTAGCCATTGAGTCTCAGGATGCAGGAATCAAGACCATCACTATGCTGGATGA  
 GCAAGGGGAACAATAAATCGCATAGAAGAAGGCATGGACCAATAAATAAGACATGAGAGAGGCAGAG  
 AAGACTTTAACAGAACTCAACAAGTGTGTGGCCTCTGCATCTGCCCTTGTAAATAGGACAAAGAAGCTTTG  
 AGTCTGAAAAGAACTATAAGGCAACATGGGGAGATGGTGGCGACAACCTACCTAGCAATGTAGTATCTAA  
 GCAACCGAGCCGATTACAAATGGTCAGCCTCAGCAAACCTACAGGAGCAGCCAGTGGTGGATACATTA  
 CGTATAACTAATGATGCCAGAGAAGATGAGATGGAAGAGAACCTGACTCAAGTGGCAGCATCCTAGGCA  
 ACCTAAAGAACATGGCTCTGGATATGGGCAATGAAATTGATGCTCAAACCCAGCAAATACAGAAGATCAC  
 AGAAAAGGCTGACACCAACAAGAATCGTATTGACATTGCCAATACAAGAGCAAAGAACTCATTGATAGT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >MR222120 protein sequence  
 Red=Cloning site Green=Tags(s)

MDNLSPEEVQLRAHQVTDESLESTRILGLAIESQDAGIKTITMLDEQGEQLNRIIEGMDQINKDMREAE  
 KTLTELNKCGLICPCNRTKNFESGKNYKATWGDGDNPSNVVSKQPSRITNGQPQTTGAASGGYIK  
 RITNDAREDEMEENLTQVGSILGNLKNMALDMGNEIDAQNQIQITEKADTNKNRIDIANTRAKKLIDS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV



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Restriction Sites: Sgfl-MluI

Cloning Scheme:



ACCN: NM\_009222

ORF Size: 633 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\_009222.3, NP\_033248.1

RefSeq Size: 2190 bp

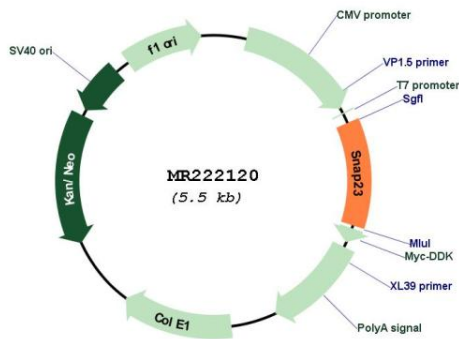
RefSeq ORF: 633 bp

Locus ID: 20619

UniProt ID: O09044

**Cytogenetics:** 2 E5  
**MW:** 23.3 kDa  
**Gene Summary:** Essential component of the high affinity receptor for the general membrane fusion machinery and an important regulator of transport vesicle docking and fusion.[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for MR222120