

Product datasheet for **MG222120**

Snap23 (NM_009222) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Snap23 (NM_009222) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Snap23
Synonyms: 23kDa; AA408749; SNAP-23; Sndt; Syndet
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG222120 representing NM_009222
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGGATCGCC

ATGGATAATCTGTCCCCAGAGGAAGTTCAGCTGCGGGCTCACCAGGTTACTGATGAGTCTCTGAAAGCA
 CAAGGAGAATCCTGGTTTAGCCATTGAGTCTCAGGATGCAGGAATCAAGACCATCACTATGCTGGATGA
 GCAAGGGGAACAATAAATCGCATAGAAGAAGGCATGGACCAATAAATAAGACATGAGAGAGGCAGAG
 AAGACTTTAACAGAACTCAACAAGTGTGTGGCCTCTGCATCTGCCCTTGTAAATAGGACAAAGAAGCTTTG
 AGTCTGAAAGAACTATAAGGCAACATGGGGAGATGGTGGCGACAACCTACCTAGCAATGTAGTATCTAA
 GCAACCGAGCCGATTACAAATGGTCTCAGCCTCAGCAAACCTACAGGAGCAGCCAGTGGTGGATACATTA
 CGTATAACTAATGATGCCAGAGAAGATGAGATGGAAGAGAACCTGACTCAAGTGGGCAGCATCCTAGGCA
 ACCTAAAGAACATGGCTCTGGATATGGGCAATGAAATTGATGCTCAAACCGCAAAATACAGAAGATCAC
 AGAAAAGGCTGACACCAACAAGAATCGTATTGACATTGCCAATACAAGAGCAAAGAACTCATTGATAGT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG222120 representing NM_009222
 Red=Cloning site Green=Tags(s)

MDNLSPEEVQLRAHQVTDESLESTRILGLAIESQDAGIKTITMLDEQGEQLNRIIEGMDQINKDMREAE
 KTLTELNKCCGLICPCNRTKNFESGKNYKATWGDGDNPSNVVSKQPSRITNGQPQTTGAASGGYIK
 RITNDAREDEMEENLTQVGSILGNLKNMALDMGNEIDAQNQIQIKITEKADTNKNRIDIANTRAKKLIDS

TRTRPLE - GFP Tag - V

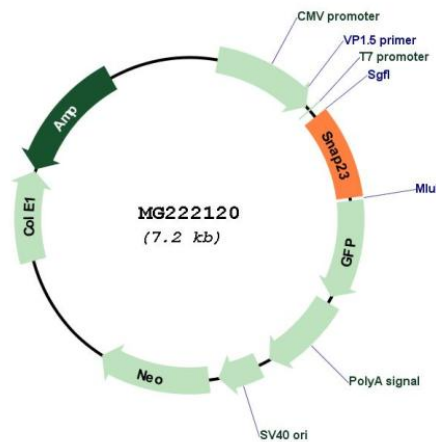
Restriction Sites: SgfI-MluI



Cloning Scheme:



Plasmid Map:



ACCN: NM_009222

ORF Size: 630 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

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]