

Product datasheet for **MC210075**

Sec1 (NM_019934) Mouse Untagged Clone

Product data:

| | |
|----------------------|---|
| Product Type: | Expression Plasmids |
| Product Name: | Sec1 (NM_019934) Mouse Untagged Clone |
| Tag: | Tag Free |
| Symbol: | Sec1 |
| Synonyms: | Fut3; Fut10 |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |
| Cell Selection: | Neomycin |
| Fully Sequenced ORF: | >MC210075 representing NM_019934 Red=Cloning site Blue=ORF Orange=Stop codon |

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGCCTTCTGACTCCTGTCTTCTCTCACTCACAGTGCTCCAGCGACTCAGGGCCATCTGCCACCCCTCT
CCACCTTCTACCTTTCTCGTGATTTTCGTGGTGTCTACCATCTTCCACTGCCACCGGCGCCTGAGTCT
GGTGCCTGGCCCTGGGCTCGCCATCCCTTGTGGTCTTCCCCCAAGACACATGCCCGGGAGGGCATG
TTCACCATCAGAGTCAAAGGCCGCTGGGAACCAGATGGGCGAATATGCCACGCTGTTTGCAGTGGCC
GGATGAATGGACGGCTTGCCCTTCCATCCCTGCGTCCATGCACAGCACACTAGCGCCCATCTTCAGGATCAG
CCTCCCGGTGTTGCATAGCGACACAGCCAAAAGGATCCCGTGGCAGAATTACCACCTCAACGACTGGATG
GAGGAGCGTTACCGCCACATCCCGGGCAGTATGTGCGTTTACGGGATACCCGTGCTCCTGGACCTTCT
ACCACCACCTGCGCCAGAGATCCTGAAGGAGTTCACCTGCACGACCATGTGCGTGAGGAGGCCAGGC
CTTCTGCGTGGCCTGCAGGTGAATGGGAGCCAGCCAAGTACCTTTGTGGGTGCCATGTGCGCCGAGGG
GACTATGTGCGTGTATGCCAAGGTGTGAAGGGTGTGGTGGCTGACCGGGTTACCTAGAAAAGGCC
TGGACAGGTTCCGGGCAGCTATTCATCTCCAGTCTTCTGTCACCAGTGATGACATGGCCTGGTGCCG
GAAGAGCATCACTGCCTCCCGAGGGAGCTGGCATTGCTGGCAATGGCTTCAGGGATCGCCTGCCAAG
GACATTGCATTGCTCATGCAAGTGAACACACCGTTCATCAGCTGGGGACCTTTGGGATCTGGGCTGCCT
ACCTCACGGTGGGGACTGTTTACCTGGCTAACTTTACCCAGCCAACTCCCCCTTCCACAGGTTTT
CAAGCCAGAAGCAGCTTACCTGCCGAGTGGTGGGCATCGCAGCTGACCTGGGACAGCCAAACACAGTA
GGCTCTGGCCATGCCTCAGCCAGAGCCCCCAAGAGGCACTGGGGGCCTTGTGTAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

| | |
|--------------------|-----------|
| Restriction Sites: | SgfI-MluI |
| ACCN: | NM_019934 |



[View online »](#)

| | |
|-------------------------------|---|
| Insert Size: | 1107 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: | <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_019934.2</u> , <u>NP_064318.2</u> |
| RefSeq Size: | 1880 bp |
| RefSeq ORF: | 1107 bp |
| Locus ID: | 56546 |
| Cytogenetics: | 7 29.43 cM |
| Gene Summary: | This gene is one of three genes in mouse which encode a galactoside 2-L-fucosyltransferase. These genes differ in their developmental- and tissue-specific expression. This gene is predicted to encode a type II membrane protein, which is anchored in the Golgi apparatus and controls the final step in the creation of alpha (1,2) fucosylated carbohydrates by the addition of a terminal fucose in an alpha (1,2) linkage. The biological function of the fucosylated carbohydrate products is thought to involve cell-adhesion and interactions with microorganisms. [provided by RefSeq, Dec 2012] |