

## Product datasheet for **MC219767**

### Synb (NM\_173420) Mouse Untagged Clone

#### Product data:

|                           |                                       |
|---------------------------|---------------------------------------|
| Product Type:             | Expression Plasmids                   |
| Product Name:             | Synb (NM_173420) Mouse Untagged Clone |
| Tag:                      | Tag Free                              |
| Symbol:                   | Synb                                  |
| Synonyms:                 | D930020E02Rik; syncytin-B             |
| Mammalian Cell Selection: | Neomycin                              |
| Vector:                   | pCMV6-Entry (PS100001)                |
| E. coli Selection:        | Kanamycin (25 ug/mL)                  |



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**Fully Sequenced ORF:** >MC219767 representing NM\_173420  
 Red=Cloning site Blue=ORF

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGACAGGCTTTTGGGTCTCTGTTTCGTCCTTTTCCCCTCTCCTTATCCTATCCGGAAAGCTGGATGC  
 CCCTTGTAAACCTCACTACCACATCCTACGTGATACCAACTCTCCCTGTTTTCCAAGTGGGTCTG  
 CTTGTCTACCCAAACCCAGCGGTCTTAGCAGTCCCAGCCCTCTGTCCATTTGGACAGATACACCCATG  
 AAGCTTACCTTACCTACTCAGTCAGGCCCTTCTCTGGCTCCTTTTCCATTAGCGACATTGAAAGACGCC  
 TCCGTCTCTCCGCCACTGACTGCCTCTATTCTTTCCACAATCCTGACAGAAGGGCGATTGCTTTTCT  
 TCAACTCGTCAGCTCAACAGGCATATTTTCGGATCATACCCGGATAACCTCTGTGATATATCCCCATAAG  
 GACCGTTTCTCGAATCTGCCAACGCCCTCTCTGGGACCCTTTACTGAGACCGTGTCTCAGGTCCG  
 AGGCCCACTCTGCATATCTCGTTTTTCAAGGTCTCAGCATATGCCACTTTTGTAGGCAACCTCTCTGC  
 CTCTCTGCAACTACCCATGCATATTTACCTTCTACCAGTCATGAAAACCTAGATCTTTCCACCACC  
 CATAAGTTCAAACAGGCAATGAAAAGACCGGATGCCAAATGGAAAAACCCGCTCCGTTTTTCCGGGCCCC  
 CCTCCCTCATCTTCTCGAAGCCGGTACTATCCCTGCCAACAGACATCAAACACTGCCATACCTCTCC  
 GGCCACTCCCTGGATGCACTGTCCTCAGGCTCCCTTCGGCACCTGCTATAACCTCACTTTATTTGAACCA  
 GACAACTCAACCCACCCTGTTACCATGTGAGTGAACCTACCCACTTCAAGGTCAAACCTCCAGGGGCACA  
 GAGACCCCTATCCGCTCTCCATTACCAGCCCTCACGGGAGCTGCCCTGTCTGGACAATATTCAGTCTG  
 GGAGAAGGAGTCACTGTCCAAGAAAAGTGGGACATCACCTCCAACATTTTCTCATATCTTCTCAGCTTC  
 TCGTACGCCTTCTGCCTCAACTCTCAGGCGTTTTCTTCTCTGCGGAACATCGACTTACATCTGCCTCC  
 CAGCCAATTGGTCCGGTGTCTGTACCCTGGTCTTCCAATACCCGGATATTGAACTTCTCCCAATAACCA  
 AACGGTGCCTGTTCCCTTTTTGCTTCAGTTCTTTCCTCAGACTCAGTTCTTCGCCAAAGAGGTCCCT  
 CACCTCTTTCCCTTCTTGCAGGCTGGGTATCTCTTCTGCCCTTGGTACGGGGATAGCTGGCTTGCCCA  
 CCTCGACTCTCTATTTCCAACAGCTTTCTAAGGTTCTTTCCGAAACCTTGGAAAGAAATAGCTGCCTCTAT  
 CACTACCCTCCAGAACCAATAGACTCGCTCGCAGGTGTTGTTCTACAAAACCGCCGAGCTCTGGACCTC  
 ATCACTGCTGAGAAAGGGGGCACCTGTCTTCTCCAGGAAGAGTGTGCTTCTACGTAACCAGTCTG  
 GAATAGTCGGGACGCGGCAAGGAACTCCAAGAACGAGCATCTGAACCTGGCCAGCATTCTGACTCTTG  
 GGGACAGTGGCTGACCTGGACGTTGGTGGCCCTGGCTGACTCCCTTTCTGGGACCTCTTCTTCTCCTC  
 TTCTTCTACTGACATTTGGGTCTGTCTTCTGAACCTGCCTAACCCGTTTTGTGTCCAGAGACTTGGCT  
 CCTTTGTTCAAGACACTGCCAAAAGGCATGTGGACAGCATCTCCAAAATTTCCAATATAAAAAACTGCC  
 CCAAGACTCCCCAGATGAGGACACCATTCTACATAA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI

**ACCN:** NM\_173420

**Insert Size:** 1857 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:**

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:** [BC137938](#), [AAI37939](#)

**RefSeq Size:** 2593 bp

**RefSeq ORF:** 1857 bp

**Locus ID:** 239167

**UniProt ID:** [Q8BI41](#)

**Cytogenetics:** 14 D2

**Gene Summary:** Many different endogenous retrovirus families are expressed in normal placental tissue at high levels, suggesting that endogenous retroviruses are functionally important in reproduction. This gene is part of an endogenous retrovirus provirus that has inactivating mutations in the gag and pol genes. This gene is the envelope glycoprotein gene which appears to have been selectively preserved. The gene's protein product plays a major role in placental development and trophoblast fusion. The protein has the characteristics of a typical retroviral envelope protein, including a cleavage site that separates the surface (SU) and transmembrane (TM) proteins which form a heterodimer. [provided by RefSeq, Apr 2015]