

Product datasheet for **MC219753**

Syna (NM_001013751) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Syna (NM_001013751) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Syna
Synonyms:	Gm52; Gm453; syncy; syncytin-A
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC219753 representing NM_001013751
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGTTTCGCTCTGGGTTTTCTGTCTCCTCTGTCCCTTGTTCCTCTGCCTACTCGGACAGCTGGATGC
 CCCTGGTAAACCTCACTCAACACCTCCTCCAGGAGGCTAACTCTTCTTCTTCCAACCTGCTGGGTCTG
 CTTATCCATCCAAACCCAGCGCTCTCTAGCCATGCCAGCCCACTAAGGACTTGGACAGAGACACCCATG
 AAACCTCGAATCATGTAAGTCTAGCCCGGACCCCTCTCCGGCCATACCCCTATCACCGACCTTGGAGGCGCC
 TCCAGAATTTCCAACATTGACTCCCACTCCTCTTTTGTCAACCCTGACCAGCGGGCCATTGCTTTCT
 TCAGATCACAGCGTGACAGGCATACTTCCATACTTTCTCGGATCACCTCGGTGAGATACCCCGATGAC
 CACGTCTATGAATCTGCCAGCGCCCATATGGGGCTCACTCTCCACCCAGACGATCCTCACCTCCAGG
 CCCCTCTCTGCATATCCCGCTTCTCAAGAATTCAAACCATGCCACCTTCGTGGGCAAACCCCTGCCTC
 TCTTTGCAATCACACCTTTCAGCTCTCCCCTCTGCCAACCAATCCATAGATCTGTCTCCAGCTAT
 GCATTCGCCCCATTAATGGCCATGCCAGGGTCTAAATGGAGAAACCCCTTACGCTTTTCAGGACCCCTT
 CCCTGAACCTCAGGGATGCCTCACTACTCCTGCCGATAGATGACATCCACTGCCACACCTACCCACCCAC
 CCCCTGGAGGTCTCTGCTTCTTCCCAGCTAGCACCTGTATAATCTCACCCCTATTCGAGCCGGACAAT
 TCGAGCCACCCTATTACCTGTCTGTGGACACCACATACTTCAAGATTAACCTCCAGGGACACAAAGACC
 CCTATCCACTCTTTCAGTACCAGCCCTCATGGGGCAGCCCTCTCTGGACAATATTCAATCTGGGAATA
 TGAACCCACTGTTAAGAAAAACGGCGGTATCACTCCAAATATCTTCTCCACCTGTCTCCTTAACATAC
 TCCTTCTGCCTCAACTCCTCTGGTGTCTTCTTCTCTGTGGAACTCACTTATGTCTGTCTCCCGGCCA
 ATTGGTCCGGCTCTGTACCCTTGTCTTCCAATACCCGGATATTGAACTCCTTCCCAACAACCAACCAT
 ATCTGTCCCGCTTTTGTCTACAGTTCCTCCTCTGTCCCGCTTCTCGCCGGAAGCGAGCCCTTCTCTC
 TTCTCTCTCTCGCGGGCTGGGCATTGCTTCTGCCCTGGGGTTAGGCATCGCGGTATCACACCTCAA
 CTGTGTATTTCCAACAGCTTTCCAAGGCTCTCTCGGACAGCTAGATGAAATAGCCACCTCCATCATCAG
 CCTCCAAGACCAATAGACTCGCTGGCGGTGTCTTCTCCAAAACCGCAGAGCTCTGGACCTATTGTG
 GCTGAGAGGGGGGACCTGCCTCTTCTCCAGGAAGAGTGTCTTCTACATAAACAGTCCGGGGTAG
 TCCGGCACGCGGAAGGAACTTCGAGAAAGGGCCTCGGAACTCGGCACAAGCTCGAGTTCTTGGATCCA
 GTGGCTGGGGCTAGGACCCTGGCTGCCCTTTGGTTGACTTCCCTCATGGCTCCCATTCTTTATCCTG
 TACTGCTGGTTTTAGGCTTGTCTTCTTAACTGCCTGACTCATTCTGTATCGCGGCGAATGAGTTCTT
 TCATTCACACCACCAGGACAGCTGGACAAGATCCTTCTGCTTCGAGAGTCCAGTACAAGAGACT
 TCCCAAGAGCCCCGGAGGAGGATGCCGTCTAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Chromatograms: https://cdn.origene.com/chromatograms/ja1233_a01.zip

Restriction Sites: SgfI-MluI

ACCN: NM_001013751

Insert Size: 1854 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: [NM_001013751.1](#), [NP_001013773.1](#)

RefSeq Size: 1854 bp

RefSeq ORF: 1854 bp

Locus ID: 214292

UniProt ID: [Q5G5D5](#)

Cytogenetics: 5 G2

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 a mouse endogenous retrovirus provirus on chromosome 5 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]