

## Product datasheet for **MR203007**

### Syf2 (NM\_026780) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Syf2 (NM_026780) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Syf2
Synonyms:	1110018L13Rik; Cbpin; D4Bwg1551e; Gcipop; mp29; Ntc31; p29
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR203007 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCGGCTGTGACTGAAGTTGTGGTCCCCGGGATGGCGGGAAGCCAGGCCCTTGCGGCGGAGGAGC  
TGGCGGCGCAGAAGCGGGAGCAGAGACTACGCAAGTTCGGTGGAGCTGCATCTGAAGCGGAATGAAGCTCG  
TAAGCTGAATCACCAGGAAGTTGTGGAAGAAGACAAAAGACTTAAGTTGCCTGCAAAGTGGGAAGCCAAG  
AAAGCGGTCTGGAGTGGGAGCTCCAGGAAGAGGAGAAGAAAAGGAGTGTGCAGCTCGAGGGGAAGACT  
ACGAGAAGGTGAAGTTGCTGGAGATCAGCGCAGAGGACGCTGAGAGGTGGGAGAGGAGGAAGAAGAAGAA  
GAACCTGACTTGGGGTTTTAGATTATGCTGCTGCCAATTACGCCAGTATCACCGGCTGACCAAGCAG  
ATCAAACCTGACATGGAAAGCTATGAGCGACAGAGAGAGAAGCATGGAGAAGATTTTTCCCAACATCCA  
ACAGTCTTCTCCATGGGACGCACGTGCCTTCTCAGAGGAAATTGACAGAATGGTTTTAGACCTGGAAAA  
GCAAATTGAAAAGCGAGACAAAACAGCCGAAGACGCCCGTACAATGATGATGCCGACATCGACTACATC  
AATGAGAGGAACGCCAAGTTCAACAAGAAAGCAGAGAGTTCTACGGGAAGTACACGGCCGAGATCAAGC  
AGAACCTGGAGAGAGGCACAGCTGTG

**ACGCGT**ACGCGGCGGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >MR203007 protein sequence  
 Red=Cloning site Green=Tags(s)

MAAVTEVVVPADGAEARPLAAEELAAQKREQLRKFRLEHLKRNEARKLNHQEVVEEDKRLKLPANWEAK  
 KARLEWELQEEKKKECAARGEDYEKVKLLEISAEDAERWERRKKKKNPDLGFSDYAAAQLRQYHRLTKQ  
 IKPDMESYERQREKHGEDFFPTSNSLLHGTHVPSSEEIDRMVLDLEKQIEKRDKYSRRRPYNDADIDYI  
 NERNAKFNKKAERFYGKYTAEIKQNLERGTA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

**ACCN:** NM\_026780

**ORF Size:** 729 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\\_026780.3](#)

**RefSeq Size:** 1276 bp

**RefSeq ORF:** 729 bp

**Locus ID:** 68592

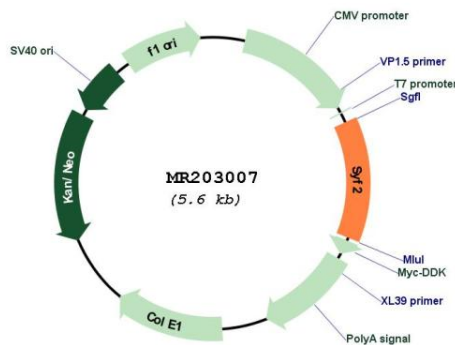
**UniProt ID:** [Q9D198](#)

**Cytogenetics:** 4 67.15 cM

**MW:** 28.7 kDa

**Gene Summary:** Involved in pre-mRNA splicing as component of the spliceosome.[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for MR203007