

## Product datasheet for **MC216510**

### Sync (NM\_023485) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Sync (NM_023485) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Sync
Synonyms:	1110057H03Rik; SNIP4
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >MC216510 representing NM\_023485  
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGCCAGCCCGAACCCCTGCGCGCGGGGACGCGCCCGGCCCTCGAGGGAACACACACCGAGGCGA  
GTTTTCTCTTCAGGAGTCAGAATCCCGAAGGAGGCCAAGACCTTTAACCCAGAGGCCACTCTGTCTTT  
GGAGGGGACTGTGAACCTAGAGGACATTCTCTATCTGGGGGCATCGGGGACTTTGAAGAGATTTTTAT  
GAGGAAGAATATGAGAAGCCAGCACTGACACTGTTTATCGACGAATCGAGGCAGCCAGACGAGGCCTGG  
GCCTAGAAGAGCCCGTGCGCCAGAGGAGATGCTGTCTGTGGAGGAATCCGTGACCCAGATGAGGTGCA  
AATTTAGAGCAGCCTGTGGAGCCAGCTAAGAGCCCAACTGCTTGTGAGGGAGAAATGGTGGCCACGGAG  
GGAAGCCTGCCTGCTCAACCGATTCCCAACACCGAGGAGGATCCCTCAGCGTGGAGGACCTGGAGCGGC  
TGAAGCTCGTTCCAGCAGTGTGTACAAGCCGTGCCAGCTGGAAGAGGAGAGGGACCAGCTAATCCA  
CGAGCTCGTGCTACTCCGGGAGCCAGCCCTGCAGGAGGTGCAGCAAGTCCACCAGGACATCTGGCTGCC  
TACAAGCTCCACGCACAGGCAGAGCTGGAGAGGGACGGGCTCAGGGAGGAGATCCGGACGGTGAAGCAGA  
AGCTGTTCAAGGTGACCAAGGAATGCGTGGCTTACCAATACCAGCTGGAGTGCCGTCAGCAGGATGTGGC  
TCAGTTTGCCGACTGCAGGGAAGCGCTGACCACTCGGGCAGCCAGCTCTCGGAAGAACTGACCCAGCTC  
CGAGATGCCTGTGAGAAGCAGAAGGAGCAGTTACAGCAACAAGTGAAGCACCCCGACCCAGAGCGATG  
GGCACTTTCTCCAGGAGAGCCGACGGCTGTGACACAGTTTAAAATCTCATGGCCGAGAGCCGCCAGGG  
CCTGGAGGAGGAGTATGAGCCTCAGTGTCTCCGGCTCTGGAAGGAAAGAGGGCCGGACCAAAGCTCTA  
CAGGACACCCAGGCGGAGATCCAGGAGATGAGGGAGGCTCTGCGACCCCTGGAAGCAGAGGCCCGGCAGC  
TCCAATTCAGAACAGGAACCTGGAGGACCAGATCACGCTCGTGAGGCAAAAACGGCATGAAGAGTTCA  
ACAGTACAGGGAGCAGCTGGAGGAGATGGAGGAGAGACAGAGGCAGTTGCGCAGTGGGGTGAAGTTCAG  
CAACAGAAGAACAGGAGATGGAGCGGCTGAGGATGAGCCTTGTGAAGACTTTCCACATATAAGGCTA  
TGCTACCAAGAGTCTGGAACAGGCTGATGCACCACTTCTCAGGCAGGTGGAGTCGAGGCACAATCCCC  
AGGGACTGTT**AG**

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI

**ACCN:** NM\_023485

**Insert Size:** 1413 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\\_023485.3](#), [NP\\_075974.3](#)

RefSeq Size: 2038 bp

RefSeq ORF: 1413 bp

Locus ID: 68828

UniProt ID: [Q9EPM5](#)

Cytogenetics: 4 63.26 cM

**Gene Summary:** Atypical type III intermediate filament (IF) protein that may play a supportive role in the efficient coupling of mechanical stress between the myofibril and fiber exterior. May facilitate lateral force transmission during skeletal muscle contraction. Does not form homofilaments nor heterofilaments with other IF proteins.[UniProtKB/Swiss-Prot Function]