

Product datasheet for **MC219203**

4930447C04Rik (NM_029444) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	4930447C04Rik (NM_029444) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	4930447C04Rik
Synonyms:	4921504I02Rik; A930035O15Rik; Six6as; Six6OS; Six6os1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC219203 representing NM_029444
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGCC**

ATGAATGATAATCTGTTTGTCTGTTTGGACAGGCTTTTGTGGAATTTGTTTTCCAGTATGAGCAAGACA
TAAGTATTAAGAAGATACGATTCAAAGAATTAATAAATGCCTTGAAAGTATTAAGAAAAATAAGCAAA
TGTTTCTAAGCTACGTGAAGCTATAAACAAAGTAGATGAGGACATTGCTTTTCACTATAAACATAGTAAA
GAAATCAAAGACAGCTGTAGTAAGTGAAGCCAAACATGTGATGTTTTTCATAAACATGAAGATTATATA
AAGACCAGCTTACTGCTTACCAAGAAACCAATGAGAAAGACAAAAAATGTATCATGATTATATATGTCA
GTATGAAGATGTTTTGAAACAATACCACTAAAACTCAGAAACACGTTTTTTCATGTAATATTATGAG
AAGAAAAAGAACATGAAGAAATAAAAATAGAGTGTGGCATGTACTGAACAACACAATTGAATGAAA
CTATTCTTATGAAATTTCTAGTGCCTGCTCCTTTCCCATCTGACTAAATGGACATTATACGTAGTTAA
TTTGAGATACAGAACACAAGATATTCTTAAACGTGCCAACATTTTACCAAAAGATCATTGAAATGGAG
AAAGAAGCAGATGATATGGAAATAGAAATTAATCTTTAAATAAGATGGCAAGACTTTTTGAAAGTAAAA
CATTTTTCAGAAGCTCTAGACGAAAAAGAACAAAAATACAGAAAAAGAAAAAGAAATTTGAAGAGAGAATTT
TGAAAAAGATGAGCAAGTATCAAACAGAAGCTCTCAAAATAGCCAATTGTTACTGCCATGTGAGTCTCAG
AAATTTGTAAGAAATATGAATCTTTCAGAAGCAAGAGTTACAGATAAAAAAGAAGAAAGTTTCAGCCAATC
AGTCAAAGTTTGTAGAGTGTGTGAGACAAAAAGAAAAATATCCACAGATATTTAATGACTCTGGTAT
GGATAGTAATCAAAATCTTACATATCCAGCTGTTAAAAGTTCACAAGTTTTATGCAATTCAGATTG
AATCAACCAAAATACAATCAACGGATTGAAAAAGAACATATAGATGCTGAATGTGGAGATAAGAGACAG
TAAGACAAGTAAGAGAATCAAAATGTAGTACACAGGCCCTATACATTGAACACTTTGAAAGTCCATAGA
AAATAATAGTGTGGAAGAGGAAAAGAGATGAGAATTTTCCCTCAAACTCCTGAAACTCCTTCATTTCTAAGA
ACTCCTGAAGCGCTGAAGACACCTGAATCTATGGAGAAAATGCAGTTCCTAAAAGCCCCTCTTTGAAA
TAACTAAAAATGCAACATCTGAAGGACATAAAACAAAAGGATTCTCCTGGATTTTCATTTCTTATGAGTTA
CACCTCTAGATCACCTGGACTAAATTTATTTGATTCTTCTGTATCTGATTGAGAAATCTCATCGGATCAG
TTAATGAACATTACTCTGCGGTAATCTAAATCCTTCTTCATCACAACAAGGAATTGGAAACTTATTTG
GAAATCAGAAGGAGAAGATGCCTTCACATTTCTTTTTCATCAGACTCTTCTCACACATTTGGAGCTGG
AAAAGATGACTTTAGTTTTCCATTTTCTTTTGAACAGGATCCAAGCACAATGACTTCTTCTCTCAAAA
GATTTTTCATCTCACAAAATAAACACAATTTATGTTTTTT**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_029444

Insert Size: 1725 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_029444.2](#), [NP_083720.1](#)

RefSeq Size: 1910 bp

RefSeq ORF: 1725 bp

Locus ID: 75801

UniProt ID: [Q9CTN5](#)

Cytogenetics: 12 C3

Gene Summary: Meiotic protein that localizes to the central element of the synaptonemal complex and is required for chromosome synapsis during meiotic recombination (PubMed:27796301). Required for the appropriate processing of intermediate recombination nodules before crossover formation (PubMed:27796301).[UniProtKB/Swiss-Prot Function]