

Product datasheet for MC211736

1700028K03Rik (NM_182745) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: 1700028K03Rik (NM_182745) Mouse Untagged Clone
Tag: Tag Free
Symbol: 1700028K03Rik
Synonyms: MGC117884
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC211736 representing NM_182745
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCAATGGATGAGCGTAGAGGAAAAGAAAGAGTACAGTGGACAACCACCATTATTATCAGCTCATCTC
TTAAGAGTTACGAAATTGCAACTGCCCTAGAAAATCGAAGCCACAAGGTTTCGGTATTCTGATACACTGGA
AAGTGGATCGATTGTATTTCTCTGTCTGGAGTTGCATTCTTGTGATGGATGCTAAGGAGTGTATGACA
TCGGCTGAGGAAATATTTGTAACCAAAATGAGAAGTTTATTAACATTCACCAAAATAGTTTCTTGGTTC
TATTTGCTCCACTCCATGGGCCTGAAGAATGGAGTCTCATGTTCCAGGATACATCAGAGGTTCTTGGGCGAG
TACTTACGAATACTTCTGTACACAACACAGTAAACGCTCTTGACCTTATGTGCACTATAGCCAAGACT
ACGTCAAACCACACATAGACAGCATCTGCTACAGAATGATAACAATAAAGCGTACATCATAGAGCAGA
GCCCTGTCTGGAGAACACTTCAAAGATAAAGTTGAGTAGTGACTCAGTTAGTGCAGACTCAGGAGAGTG
A

ACGCGTACGCGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_182745
Insert Size: 561 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).



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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:	<ol style="list-style-type: none">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:	<u>NM_182745.2</u> , <u>NP_877422.1</u>
RefSeq Size:	795 bp
RefSeq ORF:	561 bp
Locus ID:	76421
UniProt ID:	<u>Q3KQP7</u>
Cytogenetics:	5 F
Gene Summary:	<p>Plays a key role in reinforcing the integrity of the central element of the synaptonemal complex (SC) thereby stabilizing SC, ensuring progression of meiotic prophase I in male and female germ cells (PubMed:30949703). Promotes homologous recombination and crossing-over in meiotic prophase I via its association with SHOC1 (PubMed:30746471). Required for the localization of TEX11 and MSH4 to recombination intermediates (PubMed:30746471). [UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (1) encodes the longer isoform (1). Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.</p>