

Product datasheet for **MC218503**

BC003993 (BC003993) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	BC003993 (BC003993) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	BC003993
Synonyms:	MGC7531, B230213M24
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >BC003993
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGCATCGCC

ATGCTCACTTTGCTACTAGAGAGACCAACAGATGACAGTGTGAAGTAGCTATCGGCTTCTCAAAGAGT
 GTGGTCTCAAATTAACCCAGGTGTCAACCAAGGGGAATTAATGCAATCTTTGAACGCCTTCGAAACATTCT
 ACACGAGTCTGAGATCGACAAAAGAGTTTCACTACATGATTGAAGTGATGTTTGTGTACGGAAGGATGGA
 TTCAAGGACCACCCTGTTATTCTGGAAGGACTTGATTTAGTGAAGAGGACGATCAGTTTACACATATGC
 TCCCTTAGAGGATGACTACAATCCAGAAGATGTTCTTAATGTTTTCAAGATGGATCCTAATTTTTATGGA
 GAATGAAGAGAAGTACAAGGCTATTAAGGAAATCCTTGACGAAGGAGACAGTATTCAAACACAGAC
 CAAGGAGCTGGAAGTAGTGAAGACGAGGAGGAGGAAGACGAGGAGGGAAGGAGAAGACGAGGAAGGAG
 GGCAAAAAGTAACTATTCATGACAAAACAGAAATCAACCTAGTCTCGTTTCGCCGTACAATCTATCTTGC
 CATTCAAGTCAAGTTTAGATTTTGAAGAATGTGCACACAAGTTGCTGAAAAATGGAGTTTGCAGAGAGCCAA
 AAAAAAGAACTCTGCAACATGATACCTGATTGCTGTGCCAACAAAGGACCTATGAAAAATTTTTGGCT
 TGTTAGCTGGGCGGTTTTGTATGCTGAAAAAGGAATACATGGAATCATTGAAAGTATATCAAGGAACA
 GTACGACACCATCCATCGCTTAGAGATAAACTGAGAAATGTTGCTAAGATGTTTGTCTCATCTTTTA
 TACACAGATTCACCTCCGTGGAGTGTCTCGAATGTATAAACTGAGTGAAGAGACCACGACATCGTCTA
 GTCGAATTTTTGTCAAGATCTTCTCCAGGAAGTGTGTAATACATGGGTCTTCTAACTGAATGCGAG
 GTTAAAGGATGAACTCTCCAGCATTCTTTGAAGGTCTGTTACCCAGAGACAACCCACGCAATACCCGG
 TTTGCCATCAACTTCTCACTTCCATAGGTCTCGGAGGATTGACGGATGAACTGCGAGAATCTGAAAA
 ATACACCCAAGGTATCGTAGCCAGAAACAGAAAGCTGAACAAAAGAAACCCAGCCTGACATCTTCATC
 TTCAGAGTCTTCCCTCGGGGTCTGATTCCTCTGACTCAGAATCTGACAGCAGTGAGAGCAGCTCAGAGTCC
 TCTAGTGACGCGAGCGACTCCTCCTCCTCCTCCAGCACTCAGAGTTCTACCTCAGCTAAAGGTACAA
 GAAAGAAGAGACAAGGGAAGGCCAGAGGCAAGAAGTTGATAAGTTAGCCAGGGGCCACCCAGGCACTTGA
 GCGGAGGCAAGAAGGAGGAGGAGGACCAAGGCACCCAGGAAGGGAGGACTGAGAGAGCAAGGTCTGAA
 AGAGCGAGAGCTCAGAACTCACGAGATGCAGACTGGAGAGATCCCTAGCAAAGCACATAGACGACAGAA
 GCCATGAGAATAGTCACAGCAGAGTTGGCAATGGCCGAGAAACAAGGCTCACACAGAGAGCCAGAAGACAG
 GCATGGCGAGCCAAAGAAGCGGAGAGAGAGAAGAGATTCTTTTTCTGAAAATGAGAAGCAAGAAGCCGA
 AATCAGGACAGTGATAATGTTAGAAGAAAAGATCGCTCCAAGTCAAGGGAGAGGAGTAGAAGGCATTCTG
 GTCACAAGGGAGATGACGCCAGGTGTCAAATGGTGCAGAGAGGCGCTGGGAAAAGCCTGGCAGAGGCC
 TGAACAGTCTAGAGAGTCAAAGAGAAGTCAAGACCGGAGGAGAGAAAAGTCTCCAACAACACAGAATAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCTGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: BC003993

Insert Size: 1890 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: [BC003993](#), [AAH03993](#)

RefSeq Size: 3089 bp

RefSeq ORF: 1889 bp

Locus ID: 80744

Cytogenetics: 2 C3

Gene Summary: Required for pre-mRNA splicing as component of the spliceosome. Promotes exon-junction complex (EJC) assembly. Hinders EIF4A3 from non-specifically binding RNA and escorts it to the splicing machinery to promote EJC assembly on mature mRNAs. Through its role in EJC assembly, required for nonsense-mediated mRNA decay.[UniProtKB/Swiss-Prot Function]