

## Product datasheet for **MC223496**

### **MlIt6 (NM\_139311) Mouse Untagged Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** MlIt6 (NM\_139311) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** MlIt6  
**Synonyms:** Af17; AI315037  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >MC223496 representing NM\_139311  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGC**C

ATGAAGGAGATGGTAGGAGGCTGCTGCGTATGTTCCGACGAGAGGGGCTGGGCCGAAAACCCGCTGGTCT  
 ACTGCGATGGGCACGCGTGCAGCGTGGCCGTCCACCAAGCTTGCTATGGCATCGTCCAGGTGCCAACAGG  
 ACCCTGGTTCTGCAGGAAATGTGAATCTCAGGAGCGTGCAGCCAGGGTGAGGTGTGAGCTGTGCCCGCAC  
 AAAGATGGGGCATTGAAGAGGACTGACAATGGAGGCTGGGCCCATGTGGTGTGCCCCCTCTACATCCCGG  
 AGGTGCAGTTCGCCAACGTGCTCACGATGGAGCCCATCGTTCTGCAGTACGTGCCTCATGATCGTTCAA  
 CAAGACCTGTTACATCTGTGAGGAACAGGGCCGGGAGAGCAAAGCTGCCTCGGGAGCCTGCATGACCTGT  
 AACCGCCACGGATGCCGACAAGCTTCCATGTCACCTGTGCCAGATGGCTGGCCTGCTGTGTGAGGAAG  
 AAGTCTGGAGGTGGACAACGTCAAGTACTGCGGCTACTGCAAAACCACTTCAGCAAGATGAAGACATC  
 CCGGCACTCCAGCGGGGAGGAGGAGGAGCAGGAGGAGGCAGCAGCGGGGGAGGAGGTGGCAGCAGT  
 AGTGCCAGCGGTGGTGGAGGTGGCACCGGGGAGGCAGCGCAACAGCTTCCTTAGCGGCAGGAGAAGCC  
 GGTGAGCCTCGCCATCCACCCAGCCGGAGAAGCACCCCTACCCACCATGAGAAGGGCCAGAAGAAGAGTCCG  
 AAAGGACAAAGAACGCCCTTAAACAGAAGCACAAGAAGCGCCTGAGTCCCCCAGCGTCTCGCCCCG  
 CCTGCGGTTCCCACTGCTGATAAGGTCTCCTCAGCGACTTCTTCTCCACCATGAGGCCAGCACTCAGG  
 AGACCTCTGAGAGTAGCAGGACTCAAAGGGGAGAAAAGTCTTCCAGCCATAGCCTGAGTCATAAGGACAA  
 GAAACTGGGCACTGGGAAAGGCTCGTCTCTGCAGAGCTCTCCTGACTTTGCAGCGTTCCCAAGCTGGAA  
 CAGCCGGAGGAAGACAAATATCCCAAGCCTGCGGACCCACCCCGCCGGCCCTCCCTCGCCACGGCCC  
 CTGAGCCCCAAAGGCTGACCTCTTTGAACAGAAAGTTGTCTTCTGCTTTGGGCCCATCATGCGCTT  
 CACCACCACCGCCTCCAGCTCCAGCCGGGCCGAGCCCTTACCTGGAGACTATAAGTCTCCCATATT  
 ACCGGGCGGGGCCCTCAGCAGGCACCCACAAACGGATGCCCGCACTGAGTGCCACCCTTGGACCTGCTG  
 AGGAGGCCCTGAGACCACCTGAAGGAGAAGAAACACAAAGCCAGCAAAGGAGCCGACACGGGCCAGG  
 CCGACCCAAAGGAGCAGAGGCAAGGAGGGTGCTTCAAGCCCGACTGCCTCCCTCCCTGCGGCTCAGCTC  
 GCTGGTCTCACTGCCACTGCGGCCTCACCTTCTCTGGGGCTCCCTGGTTCAGCGCTGGCCTGGGGGCTC



TGGCCTCCCGTACCTTTGGGCCTTCAGGAAGCTTGCCAGCTTGAAGCTTAGAGTCATCTCTGCTGGGGG  
 AGGCATCTATACCAGTAATAAGGATCCCATCTCTCATGGTGGAGGGATGCTGCGGGCTGTCTGCAGCACC  
 CCACTCTTCCAGCCTGCTGGGGCCACAGGAACCTCAGCCTTGCCGCGCTCAGCCGGTCCCCCTTCA  
 CCAGCACCCCTTGATCCTCTTCTGCTTCCATCTCCACCACTCAGGTGTTTTCTCTGGCTGGCTCAACCT  
 CAGCCTCCCTTATCCACATCTTTGGAACCCCATGGGACTGTTAACCCCTCCTCACCAAGCGGAG  
 AGCACCCACACAGAGCCAGACCTAGAAGACTGCAGCTTCCGGTGTACGGGACCTCCCCCAGGAGATC  
 TCTCTTCCATGTCTCCATCAGCAGCCTCCCTGCGCTTTCGACCAGACGTGCGGCGCTGTGCGGGTGG  
 CCAGTTAGACTCCACAGCCCCGGGACAACCAACATGGAGCAGCTGCTGGAGAAGCAGGGTGACGGAGAG  
 GCTGGTGTCAACATTGTGGAGATGCTGAAGGCCCTGCATGCGCTGCAGAAGGAAAACAGCGGCTGCAGG  
 AGCAGATCCTTAGCCTGACAGCGAAGAAGGAGCGGCTCCAAGTCTCAACGTGCAGCTCTCCGTTCCCTT  
 CCCCAGCTGCTGCTGCCCTGCCGGCCACTAACGGCCCCATCCAGGGCCCTATGGACTGCTTCTCTCAA  
 GCTGGCAGCAGTACTCCCTGAGCGTACAGAACAGCCCTCCCGGGAAGAACAGCCTCGGCTGGACAATT  
 CCCTGTCCACCTTCCGAGGACCCACACTCAGGCTGCCGAGCCGCAGCAGCTTTCGCTCTCCTTCCA  
 CAGCACGCCCCACCGCTGCCCTGCTCCAGCAGAGCCCGGCTACTCTGCCCTTGCCCTGCCTGGGGCT  
 CCTGCCCACTCCACCCAGCCACAGAACGGGCTGGGCGGGCGCTGGAGCAACGGGGCTGGGAGCCA  
 TGCCCATGGCTGAGGGGCTGTTGGTGGGCTGGCAGGCAGCGGAGCCTGCCCTCAATGGGCTTCTGGG  
 AGGGTTGAATGGGGCTGCTGCTCCCAACCCCGGGCTTGAGCCAGGCTGGCGGGGCCCCACGTTCAA  
 CTGCCAGGTTGTCTCAACAGCCTGACAGAGCAGCAGAGACACCTCTTCAAGCAGCAAGAGCAGCAGCTGC  
 AGCAACTGCAGCAGCTCCTGGCCTCTCCACAGCTGACCCAGAGCACCAGACTGTGGTCTACCAGATGAT  
 CCAGCAGATGCAGCAGAAACGGGAGCTGCAGCGGCTACAGATGGCTGGGGGCTCTCAGCTGCCCATGGCC  
 AGTCTACTGGCTGGAAGCTCCACCCACTGCTGTCCGCGGGCACCCCTGGCCTGCTGCCACAGCATCAG  
 CCCCACCCCTGCTGCTGGAGCCCTGGTGGCCCTTCACTGGCAGCAATAACAAGTCTAATGGCTGC  
 AGCGGCTGCAGCCGACGCGTGGCGGGCAGCGGACCTCCAGTCTCACTGCTCAGACCAACCCCTTTT  
 CTCAGCCTGCCTGGGGCAGACGCCAGTGGGAATGGCCCCAAGGAGGGACCGCTGACAAAGGAGCCTCAA  
 CCAGCCAGGAAAAGGCTAA

AGCGGACCGACGCGTACGCGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC  
 TGGATTACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:**

SgfI-RsrII

**ACCN:**

NM\_139311

**Insert Size:**

3240 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\\_139311.2](#), [NP\\_647472.2](#)

RefSeq Size: 7271 bp  
RefSeq ORF: 3240 bp  
Locus ID: 246198  
Cytogenetics: 11 61.05 cM