

Product datasheet for **MC223951**

AI661453 (NM_145489) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: AI661453 (NM_145489) Mouse Untagged Clone
Tag: Tag Free
Symbol: AI661453
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC223951 representing NM_145489
Red=Cloning site **Blue**=ORF **Orange**=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGAAAAAGAACCAGACCATGCAGGGCACTTTTCAGCAAACCTTTGGGAAGAAGCACGCCACCCCTCCA
CCACGTCCCTCTACGCCACCAATCCACCCTGGATTTTCACCCACGAGGCCCAAGAGGAGGGAACCCAGGGA
CTTTGATGGGATCTATTATGGAGACAATCGGTTCAACACTGTGAGCGAATCGGGAACAGCCACGCTGAAA
GCCCGGCCACGAGTCCGGCCCTGTTGACTTTTCATTCTCTGAATGCCAGGAGAACCATGGGCTGGCTG
TGCCACCCCGTCTGTCCAGAAGATTTTCAGACAAAGAAGTGGGAGGTACCAGCACACTAGTGAATGG
CAACCTCCGACTGTACAGCTCTGTGGGAGACCTGAGGCCAGCATGCTACGATCTGGACTCATCCATTCCC
CCACCTCCCCAGGCCAGCCCCGGGGCCACCCAGGACATTTACAGCCTCCAGGGGAGTCCCCTCCAC
CACCCCTCCTTCTGTTCTCTCTCTCTCCCCCTCTGCTGGTGGAAACCCCAACCCACCCAGCAC
AGCCCCCTCCACCCCAACATTAGACATCTTATCCCCACCATCCACCCACCCCTCTGACTTCATC
CCCCCTGCCCCACGTCAGCTTTTCTAAGCCCCCTCCACCTTCTTTGCCAGCCCAGGACCCCAAGCTC
CAGTCTCTCTGCACACACCTGGAATCATCTCTCCCCCTGGGGCTATTACCAAGTGAAATCAGAAGT
AGCGCTCAATGGCAGGCACCCAGAGGACCCAGAACCCAGTCCCCCAAAAGCCCTGCTGAACTAAAGAGG
AGCCCCCTAGGACCTAGCCAGAGCCCCACCTCACCTTCCCCAGGTACCCGAAGGTGCCTCCCCAACCC
CAGTCAGGACCTCATCTATCCCCGTTTCAGGAAGCACCCGGCGCTTCTCCAGAGGAGGAGGAAGCCACCCA
GAAGACCTCCGCCCCAGCCCGCTGCCTCCAGCTTCAACATCCGCCCTGCATCTCAGATTTACCCAGAC
AGGGCCCTGGAGCCAGAGCAACCCAGAGAGCCAGGCCTGAGACACCAGGCAGCCCAAGGCTCAGGCAGT
CTGAACCCAGACAAATGGACAAGCTGGAGCTCCGCCCCAGCCCTCCCTTGCCTCCACCGGCTCCCC
ACTCCCTCCGCCAGCACCTCCCTGCCCCAGCTGCTCCTCTCTGCCCTCTACCGAGCTGGCAGCCCT
CCATCTTCTGGATTTATGAAGACCTCCAATCCAACCTCACCTGCTCTCAAACCCAAAGCCAAACCCCA
GTGTGGAGGACACAGCCTCGTCAGAACCCGTTGACTGGAGAGACCCCGGCAGATGGAGAAGCTTCGAAG
TGAGCTGTGAGCCTATCTCTGTGGGACCAGGAAAGAGGATCGGTCACTCAGCCACCGGCCAGGCCCTACT
GTGGCCTTGAAGGACAAGGAGAACAATAAGGGCACCCAGCCTGTCAGAGGAGGCAGCTCCTCAAGCCTGC
CTGAGAAGGTACACCCCTGTATTCTGAGAAGAGCCCTCCAGCAGCAGCCTGCCAGAGAGAGAAGCCAC
CAGCAGCCTGGTCTACCCCTGTGGACTACATTGCCAGGATACTCCAGCCCCAGTGTGAGGCAGATC



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CGGAGTGAGCTAGAGGCTCGGTTTGCCTCCTCAGCTGAGAAAGAAGCCAAGCCCAGCTTAGCATCTCTGC
 CCCCCAAGCCCAGGCTGGAAGGGGGAAGAACCTTTGAAAATGGAAGTATAATGGCAGATTCATAAGCC
 TGCCACCAAGAATCCACCCAGCCATCTACCACCCTCTGCCACCACAATACTCCAGCCCAAAGTTGTA
 CCTGGTCCAGCAACATCACCCAAGGTCACACCTGGGCCAGCCACACCATTAAGCCTACACCAGGGCAGG
 CCATACTACCTAAGGCCACACCTGGGCTAACTTTACCCTCAAGCCTACACCTGAGCAGACCACATCACC
 CAAGAACACTCCTGGGAAGGCCACACCACTCAAGGACACACCTGGGCAGGCCACAACACCCAAGGACACA
 CCTGGGCAGGACACACCAACCAAGGACACACCCGGGCAAGCAGCGGTACTCAAGAACGCACCTGAGCTGT
 CCACCCCATCATCTCAGCTGATGGCAGAGAAGGACCTTGCTCTGTGAGGCAGAGAGAAAAGCCAGAAAC
 TAAGAAGACCCAGTGGCTACCCAATGTCACAAATGGCACCCCTCTCTCTCCAGCTCTCCACCAAAG
 ATGTCTACCAGTGGAGAAGAGGCCACATTTCTCTACAGACCCCATCGCAGCCAGAATAGCCACAGCCGAG
 GGGTTGCTGTAGTGACTCCCACTCGGGCCAGGGGAGGCTCCAGACTCAGGGGATGTAGTGGATGAAAA
 GGAGCTACAAAACCATCCGGCAAATCTCTCACGCCAGGCCAGCCAGCTGATCAACTCCTCAGACACCCG
 GTGACTGGGAAGTGGTGGAGCGGGCTCCCAATGGCCCTGCTCCTTGACCCAGACAGAGGGGCACAGA
 AGACTAGGACTGGAGGGACTGCGATTGGACGGTCTCTTTGCCAGGGAGTCTCCGTGACCATAGCAACCA
 ACCAGAGGCCAGCTCTGATAGCATCTTTTACAGAGGTAGCCGGCCCAATTCCTTATTGTGGTCCCTAAG
 GTGCCAGTGAGACAGAGGACTCCCATCTGACCTCAGCACGGCCACGGGGCCAGTCATTGGAAGCCCC
 AGCAGGGACCAGACACAAGGCTCAGAGCCTACCTACAGGCATGGGTGGACCAAGGCCGAAACCCAGC
 CCCTGTGGCCCGGAAAGACCAGCTCCCTCAAGTTTACCCAGAGCCGCGCCCTTCCCAAGTCTTTCTCT
 TCCCCGCCTCTCCTTCTACAAGAGGGAAGAGGAGGAGGAGGAGTTCAGCTTTGATATCATTCTCCGC
 CGCCAGAGTTCAGCAACGATCCTGAGCCTCCGGCCCTGGGCAGCAGCATCAGGGTCGTGCGGGTCCCC
 ACCCAGGAACAATTCTCTGACTTAGGGCAGTCTGGGGCCCAATCCGACTCCTGGCTTCTCGCGCTTC
 CGGGGGACTCAATACCCGGAGTCCGGGGCCTAGATCGCTTCTCAGGCAGCGGACGATCGCTCATCAAGA
 AACGCTTGTACGTGGGGAGTCCCATCGCAACCCGGGATGCCCGTGGCTCTACTGGTCGCAGCCTGAG
 CTCCCCTAACTGCTTCGGACCGCAGCCAGGAGGACCTGAGATGCGACGGGTCAACTCTGCGGGCCGCG
 GCCCCCGAGGTCTGCACGCACGAGGCTGTCGCTGGAGGGCGCCGGGGTGCCACCGAGGTCAAGTTCA
 AGGCGCCAGTGGTGGCGGTGGTAGTAGCAGCAAAGCTGGGGACTATGGCTTTGTCCTGCCAAAGGTAG
 CAGGTCTCCTCACGGCAACCCACTATGGAAGCCCCATCAATACATTACCCTGAGACCTGGGACCCGC
 CATCCCATCTCTACGCCTACCTGGGACTCATCGAAAGCCACTTCTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_145489
- Insert Size:** 3621 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_145489.2](#), [NP_663464.2](#)

RefSeq Size: 5032 bp

RefSeq ORF: 3621 bp

Locus ID: 224833

UniProt ID: [Q91Z58](#)

Cytogenetics: 17 C