

Product datasheet for **MC221059**

AI464131 (NM_001085515) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	AI464131 (NM_001085515) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	AI464131
Synonyms:	AA408153; AI604836; Gm762; Kiaa1161; NET37
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC221059 representing NM_001085515
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTCCCAGAACCTTCAGGAGACAAGCCAGGCCTACCCCCGACATCGACCTGGTAGCCACGCAGGCCCTA
 AAAGTCTCAAAGTTACCCACGAGCAACCATGTACACTTTCCTGCCTGACAATTTTTACCTGCCAAACC
 CAAGCCCACTAAAGAGCTGAGACCTCTGCTGTGCTCCGCGGTAAGTGGACTGCTACTGGTGTGGCCGCA
 GTTGTGGCCTGGTCTACTACAGTGCCTCCCTACGCAAAGCTGAACGCCTGCGCGCGAGCTGCTGGACC
 TGAACCGTGGCGGCTTCCATCCGTAACCAGAAGGGTGAGCAAGTCTTCCGCTTGGCCTCCGTTCCGG
 TGCTCTAGACCTTGACTCCTGCAGCCGGGATGGTGCCTGCTGGCTGCTCCGAGCGGCCGACGGACGC
 CCGTTGCACCTTTTATTAGACAGTACGACCTAAGGACACTGTAATGTGCTACCGCGTGCCTGGGAGG
 AAGCTGTGCCAGGGCGTGTGTGGAGCACGCGATGTTTCTGGGAGATGCTGCGGGCAGCTGGTATGGCGG
 CGCAGAGATGAGGACGCAACACTGGCCCATCCGCTAGATGGCCAGCAAGAACCAGCCATTTGTCACG
 AGCGACGTCTATTCATCTGACGCCGATTCGGGGGCATCCTTGAGCGCTACTGGTTATCTTCACGGCCG
 CTGCCATCAAAGTCAATGATTCAGTGCCCTTCCACCTGGGCTGGAATAGCACGGAGCGTTTCGATGAGACT
 GCAGGCACGCTACCACGACACATCTTACAAGCCACCAGCTGGCCGTAAGTCCGCGCCAGAGCTCAGCTAC
 CGCGTGTGCGTGGGCTCAGATGTCACTTCCATCCACAAGTACATGGTTCGACGTTACTTCAACAAGCCAT
 CCAGGGTACCAGCGTACAGAGCCTTCCGAGACCCATTTGGTCCACGTGGGCACTGCATGGGCGCGCTGT
 GGACAGAACAAAGGTGCTGCAATTCGCCAGCAGATCCGCCAGCACCGCTTAAATAGCAGCCACCTGGAA
 ATCGATGACATGTACACGCCCGCCTATGGCGACTTAAATTCGACGAGGGCAAGTTTCCCAACGCCAGTG
 ACATGTTCCGCCCGCTGCGAGATGCCGGCTTCCGCGTCAACTTTGGGTGCATCCGTTTGTCAACTATAA
 CTCGTCGAGCTTCGGCGAAGGTGTGGAGCGGAGCTGTTTCGTGCGGAGCCACGGGCCGGCTGCCCGCG
 CTGGTGCCTGGTGAACGGTATTGGCGCAGTGTGGACTTACGCACCCAGAGGCCGAGAGTGGTTCC
 AGGGACACCTACGGCGCCTGCGCTTGCCTACAACGTGACCTCCTTAAAGTTCGACGCGGGTGAGGTGAG
 CTACCTGCCAGGGACTTACGACCTACAGGCCTCTGTCTGACCCAGTGTGTGGAGCAGGCGGTACACC
 GAGATGGCGGAGCCCTTCTTCTCGCTAGCCGAGTCCGCGTGGGTACCAGTACAGAACATCTCCTGCT
 TCTTCCGCTAGTGGACCGGACTCGGTATGGGGTACGACCTGGGGTGCCTCTTATCCCTGCGGT
 GCTCACCGTCAGTATGCTGGGCTATCCGTTTCATCTTCCCGATATGATAGGTGGCAACCGGTGCCGGAG
 CGCACAGCCGGCCCAAGATGGGCCGGGCCAGAGCGGAGCTCTACGTGCGCTGGCTGGAGGTGGCCG
 CCTTCATGCCTGCCATGCAAGTTTCAATCCCTCCTTGGCAGTACGACGCAGAAAGTGGTAGCCATCGCACA
 CAAATTCGCTGCTCTGCGCGCCTCCCTCGTGGCGCCACTGCTGCTAGAGCTTGGTGGTATCACCAGC
 ACTGGCGACCCCATCGTGCGCCCTGTGGTGGATCGCACCGGGGGATGAAACGGCCCATCGCATTGACT
 CACAGTTTCTCATCGGGACACGCTGTTGGTGGCGCCGGTGTAGAGCCTGGTAAGCAAGAGCGTATGT
 CTACCTGCCTGCCGGCAAATGGCGAAGCTACAAGGGTGAAGTCTTTTGACAAGACGCCGGTGTGCTCAGC
 GATTACCCTGTCGACCTGGATGAGGTGCGCTATTTACCTGGGCTTCC**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_001085515

Insert Size: 2151 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:	<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_001085515.2</u> , <u>NP_001078984.1</u>
RefSeq Size:	4192 bp
RefSeq ORF:	2151 bp
Locus ID:	329828
UniProt ID:	<u>Q69ZQ1</u>
Cytogenetics:	4 A5
Gene Summary:	Putative glycosidase. Promotes myogenesis by activating AKT signaling through the maturation and secretion of IGF2 (PubMed:19706595).[UniProtKB/Swiss-Prot Function]