

Product datasheet for **MC201842**

Nat6 (NM_019750) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Nat6 (NM_019750) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Nat6
Synonyms:	A1225910; Fus2
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC026545 sequence for NM_019750
 CCCACGCGTCCGCGGACGCGTGGGTGCATTTTGAATCTAGGCTATCTAGCTCCAAAGATAGAACCTTGC
 ACACCTACTGCATGCTGATGGTACCCTCAGAGGGCTGGGAAACACAAGCATCACTCTATAGGATCCCTG
 AATCTGCTCAGAGTACTAGCATCACTGAACCCGGCAAACAAGCTGTCTTATATTACTTAGCTGTTAAT
 TAGCTCCTAAAATAGGCAGGCTCAGAACCCAGAAGGCACTGGAAAGGCTCTATACTTTTCATCCAATTGT
 GTTGTCTGAAGACGACTGCTTTCCATGATCAGGAGGAAGTTCCACCTGATCAGGCCATTTCCACCAACCC
 ACGAGGACTGGAGACCCTACAAGAGCGGAAACAAGTGAACCTCATTCTTTGAGCCTGGAGCTAGGA
 GAGGGGCAGGCGGAGCTGAACACAGGCAAGCTGCTAGAAGCCGGCTAGAGCCAAGAGGAGCGGAGCCAA
 CGAAAGGAAACTACCGGCTAGTTGCCAGTCACCACCGGAAGGGAAGAAGCCAGGACAGAAATGGGCCTA
 CAGGAGTCTGTTGTGACGCTCAGAACCAGGGCGGGGTGCTAGGTAGGGACGTTCCGGCGGGCACTG
 AGAACTTAGGAGGAGGTGCTGTCTCCTGCGAAGACTGCAGTGAGTCTCCGACTGCTGGGACCAGCG
 TAGGCAGACCGAGGAGTTGGAGCCAGAGACAGCGAGTTACCCGACCGAGCGCAGGACGAGCTGGATCAT
 CCCGGAATTCCGGCTTTAACATCTAGCTGAGCCTGGATTCCACCTGTAGGCCGGAGCTGACTCTGAGCCCT
 GGCCAGTCAAGCTGACCCCTACCTTAGACCCGTGCACCGGATGGAGCTGATCCTGAGTACCAGCCAG
 CAAAGCTGACTCTAGATCTGCACGACAGCCAGAGTTGACCTGAGATTAACCTGTCCAAGCTAACCT
 GGATCCTGCACGCCAGCCAGAGCTGTCGCTGAGTCTAGGCTAGCTGAGCTGACCCTGGATCCCACATGC
 CACCCAGAGATGAGCCTCAGTCTGGCCAGCTGAGCTTACCCTGGATCCTCAACACCAGGCAAAGGAGC
 TCCCAGTCCCAAGCTGCCTGAATTAATCCTGGAGCCTGTACACTGCCGACCCGAGCTCATGAGTGCCTG
 TGCTGATCTCATCAATGACCAGTGGCCCGCAGTCGTGCCTCCCGTCTCCACTCCCTGGGCCAGTCTCA
 GATGCCTTCCCCCTCTGCCTGATGCTGTGAGCCCCAACCCACACCTGGAGCAGCCCTGTTGTGGTGG
 GCCATGCCCGCTTATCACGGTACTAGACCAACCCACAGCCTCTTAGTAGAGACAGTGGTGGTAGCCCG
 GCCTCTGAGGGCCGTGGCTTTGGTCGCGCCTCATGGAAGGCTTGGAGGCCCTTGGCAGAGCCCGGGT
 TTCCGACGGCTACACCTACCACCTCATGACCAGTGTACTTCTATGCCCATCTGGGCTACCAACTGGGTG
 AGCCTGTGCAGGGTTTGGCCTTACCAACCGTCACTGTCCACCTGTCTACGTGCCTTCTCTAAGCC
 ACCCTGCCCCAGCCACCTGCAAGGAGCCTATCCTAGCTGCCCAAGCTGTCCCAAGGAGCTCAAGGGA
 CCCCCATTGCCACCACCTCCTCCCTACCCAGTCTCTGACCGCCTCACCGCCTCCTTACCCGAGCCCC
 TTCCTCAAAGCCACTAGAGACATGCTATCGAGATCTGAAGGGTGCCTATATTCTGGATGGAAAAAGA
 CATCTGATGGCTCTGTCTCTCTGGGACTGGATTGCCCAGAACAGAGCCAGCCTCAGCCACAGGCCAT
 ACTTCAGCCCCACAACCCCTGTGGACAACCTTACCCTGTGTATCTTTCATGGGTCCCAGCAGGCCAGG
 GGTGGCTTTGGAGCTCTGGCTCAGAGCTGTCAGTGTGGCTGAATAAAGGCTTCCATTAGGTAATAAAAAA AAAAAAAAAAAAAA

- Restriction Sites:** RsrII-NotI
- ACCN:** NM_019750
- Insert Size:** 945 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: [BC026545](#), [AAH26545](#)

RefSeq Size: 2045 bp

RefSeq ORF: 945 bp

Locus ID: 56441

UniProt ID: [Q9R123](#)

Cytogenetics: 9 58.18 cM

Gene Summary: N-alpha-acetyltransferase that specifically mediates the acetylation of the acidic amino terminus of processed forms of beta- and gamma-actin (ACTB and ACTG, respectively). N-terminal acetylation of processed beta- and gamma-actin regulates actin filament depolymerization and elongation. In vivo, preferentially displays N-terminal acetyltransferase activity towards acid N-terminal sequences starting with Asp-Asp-Asp and Glu-Glu-Glu. In vitro, shows high activity towards Met-Asp-Glu-Leu and Met-Asp-Asp-Asp. May act as a tumor suppressor.[UniProtKB/Swiss-Prot Function]