

Product datasheet for **MC202832**

Nat2 (NM_010874) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Nat2 (NM_010874) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Nat2
Synonyms:	AV377607
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	<p>>BC012972 sequence for NM_010874</p> <pre>CCACGCGTCCGCCACGCGTCCGCCCGTTGCAGTCCTGGTAGCGGAAACCATGGACATCGAAGCGTAC TTTGAAAGAATTGGTTATCAGAGCACCAGGAGCAAACCTGGACTTGAAAACATTAACCGATATCCTTCAGC ACCAGATACGGGCTATTCCCTTTGAGAATTGAACATCCATTGTGGGGAATCCATGGAACCTGAGTTTAGA AGCCATCTTTGATCAAATTGTGAGGAAGAAGCGGGTGGATGGTGTCTCCAGGTTAATCATCTGCTGTAC TGGGCTCTGACCAAACCTGGGCTTTGAAACCACAATGCTGGGAGGATATGTCTTTAACTCCAGCCAATA AGTACAGCAGTGGCATGATTCACCTTCTAGTTCAGGTCACCATCAGTGGAAAGGACTACATTGTTGATGC TGGGTTTGGACGTTCTACCAGATGTGGGAGCCTCTGGAATTAACATCTGGAAAGGATCAGCCTCAGGTG CCTGCCATCTCCGTTTGACAGAGGAGAATGGAACCTGGTACTTGGACCAAATCAGAAGAGAGCAGTATG TTCCAAACCAAGAATTTATTAACCTCAGACCTCCTTGAAGAACAATAACCGAAAAATCTACTCCTTTAC TCTTGAGCCCCGAACATTGAAGATTTTGAAGTCCATGAATACCTACCTTCAGACATCACCAGCGTCTGTG TTTACTAGCAAATCATTGTTCCCTGCAGACCCAGAAGGGGTTCAATTGTTGGTTGGCTCCACCCCTCA CTTATAGAAGATTTAGTTACAAGGACAACGTCGATCTTGTAGAGTTAAGAGTCTGACTGAGGAAGAAAT AGAAGATGTAAGTACTGAGAACTATATTTGGGTTTCTTTAGAGAGAAAACCTTGTGCCTAAACATGGTATCGA TTTTTTACCATTTAGAATATGTAAGTTTTGGTGTCTTCCATGTACTTGGAAATTTTATGATAAGATAT TCAAACCTGGTACATGGACATACTACTGGTGGTATGTTGATGTGTGCTAGGAAATACCCAGCATTGGCT TACAGCTAAATTTATATAGAATTTGTGCTAATTTGTTAAGTAAAAAGAATAGTGTGAAAAGCATTCCCATT AAATTCACCAGCATTATTATCCCATATCAAATTTTTATGACTTATTACCTGTACAATTTAGGATTTGGA TTCAACAAGAAGAATGAGAAGTGTATGTGATTAGGGCCCAAGAGAACCAGTCACACAGTAATTTATTTTC TTTCTGTGTTGTTTTTATCCACTTTTTTATATACTATTTTTTCTTACTGTGGGAACAACACCAATTT GAGTAAGTTGAGCTTGATTTTTAAAAATGTAAGTCTAAATTAATAAAAAATGAAATATATATCTAAAAAAA AAAAAA</pre>
Restriction Sites:	RsrII-NotI
ACCN:	NM_010874
Insert Size:	873 bp



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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:	BC012972 , AAH12972
RefSeq Size:	1407 bp
RefSeq ORF:	873 bp
Locus ID:	17961
UniProt ID:	P50295
Cytogenetics:	8 33.38 cM
Gene Summary:	Participates in the detoxification of a plethora of hydrazine and arylamine drugs. 2-aminofluorene and p-aminobenzoic acid (PABA) are preferred substrates for NAT-2. Less activity with anisidine and barely detectable with SMZ.[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (1) represents the longer transcript. Variants 1 and 2 both encode the same protein. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.