

Product datasheet for **SC311351**

NAT8B (NM_016347) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	NAT8B (NM_016347) Human Untagged Clone
Tag:	Tag Free
Symbol:	NAT8B
Synonyms:	CML2; Hcml2; NAT8BP
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene sequence for NM_016347 edited TCTAGCCCCTGGACTCAGTGACTTCAGACACAGAAGTCTGTCCATGGCTCCTTATCACAT CCGCAAATACCAAGAGAGCGACCGCAAGTCGGTCGTGGGCTTGCTCTCCGGGGGATGGC CGAACACGCCCCAGCCACCTTCCGGCGATTACTGAAGCTGCCTCGAACCCCTCATACTCTT ACTTGGGGGGCCCTTGCCCTACTCCTGGTCTCTGGCTCCTGGATTCTGGCCCTCGTGTT CAGCCTCAGCCTCCTTCTGCCCTGTGGTTCCTTGCCAAAAACCCTGGACGCGGTATGT AGACATAGCATTGCGCACAGACATGTCTGACATCACCAAATCCTACCTGAGTGAKKGTGG CTCCTGCTTCTGGGTGGCTGAATCTGAAGAGAAGGTGGTGGGCACAGTAGGAGCTCTGCC CGTTGATGATCCACCTTGAGGGAGAAGCGGTTGCAGCTGTTTCATCTCTGTGGACAA TGAGCACCGTGGTCAGGGGATAGCAAAAGCCCTGGTCAGGACTGTCCTCCAGTTTGCCCG GGACCAGGGCTACAGTGAAGTTGCTCTGGACACCAGCAACATCCAGCTCTCTGCCATGGG CCTCTACCAGAGCTTGGGCTTCAAGAAGACGGGCCAGTCCTTCTCCACGTGTGGGCCAG GCTGGTGGATCTTCATACAGTTCATTTCTATCACCTCCCTTCTGCTCAGGCAGGGCG TCTATGATTTCTTCTCTGTATTGGTCAGAATAGAATCCATTTCGGCTGTAG



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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_016347 unedited NAGGTTAGATTTGTATACGACTCATATAGGCGGCCGCTCTAGCCCCTGGNCTCAGTGACT TCANACACAGAAGTCTGTCCATGGCTCCTTATCACATCCGCAAAACCAGGAGAGCGACCG CAAGTCGGTCGTGGGCTTGCTCTCCGGGGGGATGGCCGAACACGCCCCAGCCACCTCCG GCGATTACTGAAGCTGCCTCGAACCCCTCATACTTTACTTGGGGGGGCCCTTGCCCTACT CCTGGTCTCTGGTCTCTGGATTCTGGCCCTCGTGTTGAGCCTCAGCCTCCTTCTGCCCT GTGGTTCTTGCCAAAAACCCTGGACGCGGTATGTAGACATAGCATTGCGCACAGACAT GTCTGACATACCAAAATCCTACCTGAGTGAGTGTGGCTCCTGCTTCTGGGTGGCTGAATC TGAAGAGAAGGTGGTGGGCACAGTAGGAGCTCTGCCCGTTGATGATCCCACCTTGAGGGA GAAGCGGTTGCAGCTGTTTCATCTCTGTGGACAATGAGCACCGTGGTCAGGGGATAGC AAAAGCCCTGGTCAGGACTGTCTCCAGTTTGGCCGGGACCAGGGCTACAGTGAAGTTGT CCTGGACACCAGCAACATCCAGCTCTGCCATGGGCCTCTACCAGAGCTTGGGCTTCAA GAAGACGGGCCAGTCCTTCTCCACGTGTGGGCCAGGCTGGTGGATCTTCATACAGTTCA TTTCATCTATCACCTCCCTTCTGCTCAGGCAGGGCGTCTATGATTCTTTCTTCTGTAT TGGTCAGAATAGAATCCATTGCGCTGTNAGGCGGATCCCCCGGCTGCNAGAATTCGATA TCAAGCTTATCGATACCGTCGACCTCGAGGGGGGGCCCGGTACCGANTT
Restriction Sites:	Please inquire
ACCN:	NM_016347
Insert Size:	800 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).
OTI Annotation:	The open reading frame of this TrueClone was fully sequenced and found to be a perfect match to the protein associated to this reference.
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:	<u>NM_016347.1, NP_057431.1</u>
RefSeq Size:	830 bp
RefSeq ORF:	684 bp
Locus ID:	51471
UniProt ID:	<u>Q9UHF3</u>
Cytogenetics:	2p13.1

Gene Summary:

The protein encoded by this gene is highly similar to the N-acetyltransferase 8 (NAT8) gene product, which is a kidney and liver protein with homology to bacterial acetyltransferases involved in drug resistance. This gene is localized on chromosome 2 in the vicinity of the NAT8 gene and may represent a pseudogene of NAT8. This gene contains two polymorphic nonsense mutations that disrupt the active site of the protein. The full-length product of this gene contains a complete acetyltransferase domain and is identical in length to NAT8.

[provided by RefSeq, Jul 2008]

Transcript Variant: This variant (1) represents the protein coding allele. ##RefSeq-Attributes-START## polymorphic pseudogene :: PMID: 16395595 RefSeq Select criteria :: based on single protein-coding transcript ##RefSeq-Attributes-END## COMPLETENESS: complete on the 3' end.