

Product datasheet for **SC319125**

NMT2 (NM_004808) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	NMT2 (NM_004808) Human Untagged Clone
Tag:	Tag Free
Symbol:	NMT2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_004808.2
 CGATGGCGGAGGACAGCGAGTCTGCGGCCAGCCAGCAGAGCCTGGAAGTGGACGACCAGG
 ACACGTGCGGGATAGACGGGGACAATGAGGAGGAGACGGAGCACGCCAAAGGAAGTCTG
 GAGGGTATTTGGGAGCCAAAAAGAAAAAGAAAAAGAAAAAGGAGAAACCAA
 ATTCGGGAGGCACCAAGTCACTCGGCATCTGATTCAGGAGATTTAAATTCAGCAGC
 CTTGAAAAATCCAGTGTTCGAATGCAGAAGTTGCAGGATATCCAGAGAGCAATGGAGC
 TGGTATCCGCATGCCAGGGCCAGCCAGGAACATTGATGAGGCTGCAAAGCACAGATACC
 AGTTTTGGGACACACAACCGGTACCAAACTAGATGAAGTCATAACATCTCATGGTGCAA
 TTGAACAGATAAAGACAACGTACGCCAAGAACCGTATTCTTTGCCACAGGGTTTTATGT
 GGGACACTTTAGACTTGAGTGATGCCGAAGTGCTCAAGGAGTTATACACGTTGTTAAATG
 AGAATTACGTAGAAGATGATGACAATAATGTTCCGATTTGACTATTCACCCGAGTTCCTGT
 TGTGGGCTCTGCGTCCACCAGGCTGGCTCCTGCAGTGGCACTGTGGGTGAGAGTGTCTT
 CAAATAAAAAACTGGTCGGGTTCAATAGTGCCATCCCAGCAAACATTCGGATTTATGACA
 GTGTGAAGAAGATGGTAGAAATCAACTTTCTTTGTGTTTATAAGAAGTTGAGATCGAAAC
 GGGTAGCCCCAGTCTAATCCGAGAGATCACTAGAAGAGTGAACCTGGAAGGGATCTTCC
 AGGCTGTGTACACCGGGAGTGGTTCTTCTAAGCCCATAGCCACATGCAGATACTGGC
 ATCGATCACTAAACCCCAAAAAATTTGGTAGAAGTGAAATTTTCTCACTTGTAGTAAATA
 TGACTTTACAGAGAACAATGAAGCTATACAGACTTCCAGATGTTACAAAGACTTCAGGTT
 TGAGACCAATGGAACCAAAAGATATCAAATCAGTTCGAGAATTAATCAACACTTACCTGA
 AGCAGTTTCATCTGGCTCCAGTGTGGATGAAGAGGAAGTAGCCCACTGGTTCCTCCCCC
 GGGAGCACATTATTGACACGTTTGTAGTGGAGAGCCCCAACGGTAACTGACTGATTTCC
 TGAGCTTCTATACGCTCCCCTCCACGGTGTGCACCACCCTGCTCACAAGAGCCTCAAAG
 CCGCCTACTCATTCTACAACATCCACACAGAGACGCCCTGCTGACCTCATGAGCGAGC
 CGTCTATCTGGCTAAATCGAAAGGATTTGATGTATTCAATGCACTGGATTTGATGGAAA
 ATAAGACATTTCTGAAAAACTCAAGTTTGGTATAGGAGATGGCAATTTGCAGTATTACC
 TGTACAATTGGAGGTGTCCAGGTACAGATTCTGAAAAGTTGGACTAGTACTACAATAGA
 TGGATATTTTTATTTCTAGAACTCTGACATCATCATTTGTTAATATTTAATGATTTCTGG
 AACTGCCATTCCAAAGAAGAATAAAAGCACAACCTCAAGTGAAATTGAAGTAGTCGATAAT
 CAGAAAAGATGACAAAAGTCCACATGTGACATTTGTACGTTTCTAGCTAGAATGTTAAAC
 TTCATCTTTTTTTACTGTTGACCTATTTGTGGGAGGGATGAAAGGCTACAAAGAGCACA
 TTCTTGTAATTTTCAAATTTTGCCTGTCTTTGAAGAGGTATTTTTTACCCTTAGAAA
 AGGGACTGTTTTTCTATGGACTAAGTAGAAGTTACAGAGTCATGTAAAGAAATCTTTGCT
 ATTTGTGTGGAGAGAAATTGCTGCATTTCTGTTTCTTAAGTGATGGTACATTTGTCCATGT
 AACAGAACAAAAGATCCATTTGGAAATTTTTTTACTGGTATCACCTTACATGGTATCAC
 TGGGAACATTTATGGAATCAACACTTCTGTAGCTCAGTGACAGGTGGTGGTTGTTAAGT
 GCAGAGCAATATTAATGTAAGTGGTACTAGTACATGTATTTCTCCATAAGCAGAGTTG
 CCGAATCAATAAACATGCAAGTTTGTACTTTGATCTTTACCAGGTGAGTGGATTGCTTCA
 AAAGCAGAGTTTTGTGCAAGCACTCACTGTGCTCTCTGAAAGAGCCTGAGGCCGGGCGTG
 GTGGCTCAGCCTGTAATCCCAGCACTTTGGGAGGCCAAGGTGGGCAGATCATGAGGTCA
 GGAGATCGAGACCATTTGGCCAACATAGTGAACCCCATCTCTACTAAAAATACAAAAA
 TTAGCCGGGCGTGGTGGCGTGTGCTGTAGTCCCAGCTGCTGGGAGGCTGAGGCAGGAG
 AATCGCTTGAACCTGAGAGGTGAGGTTGCAGTGAGCCGAGATCGAGCCACTGCACTCCAG
 CCTGGGTGACAGAGCGTGAGACTCCGTCTCAAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: Please inquire

ACCN: NM_004808

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:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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:	NM_004808.2 , NP_004799.1
RefSeq Size:	5004 bp
RefSeq ORF:	1497 bp
Locus ID:	9397
UniProt ID:	O60551
Cytogenetics:	10p13
Domains:	NMT
Protein Families:	Druggable Genome
Gene Summary:	<p>This gene encodes one of two N-myristoyltransferase proteins. N-terminal myristoylation is a lipid modification that is involved in regulating the function and localization of signaling proteins. The encoded protein catalyzes the addition of a myristoyl group to the N-terminal glycine residue of many signaling proteins, including the human immunodeficiency virus type 1 (HIV-1) proteins, Gag and Nef. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Apr 2015]</p> <p>Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1).</p>