

Product datasheet for **SC111889**

NOTUM (NM_178493) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	NOTUM (NM_178493) Human Untagged Clone
Tag:	Tag Free
Symbol:	NOTUM
Synonyms:	hNOTUM
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Cell Selection:	None
Fully Sequenced ORF:	>NCBI ORF sequence for NM_178493, the custom clone sequence may differ by one or more nucleotides

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ATGGGCCGAGGGGTGCGCGTGCTGCTGCTGCTGAGCCTGCTGCACTGCGCCGGGGCAGCGAGGGCAGGA
AGACCTGGCGGCGCCGGGTGTCAGCAGCCGCTCCTCCCCGCGGACCGAGGCGGCCGCGCCGGACA
GCCCGTGGAGAGCTTCCCGCTGGACTTCACGGCCGTGGAGGTAACATGGACAGCTTCATGGCGCAAGTC
AAGAGCCTGGCGCAGTCCCTGTACCCCTGCTCCGCGCAGCAGCTCAACGAGGACCTGCGCCTGCACCTCC
TACTCAACACCTCGGTGACCTGCAACGACGGCAGCCCCGCGGCTACTACCTGAAGGAGTCCAGGGCAG
CCGGCGGTGGCTCCTTCTCCTGGAAGGCGGCTGGTACTGCTTCAACCGGAGAAGTGCAGCTCCAGATA
GACACCATGCGGCGCCTCATGAGCTCCCGGACTGGCCGCGCACTCGCACAGGCACAGGGATCCTGTCT
CACAGCCGGAGGAGAACCCTACTGGTGAACGCAAACATGGTCTTCATCCCTACTGCTCCAGTGATGT
TTGGAGCGGGGCTTCATCCAAGTCTGAGAAGAAGCAGTACGCCTTCATGGGCGCCCTCATCATCCAGGAG
GTGGTGCGGGAGCTTCTGGGCAGAGGGCTGAGCGGGGCAAGGTGCTGCTGCTGGCCGGGAGCAGCGCG
GGGGCACCGGGGTGCTCCTGAATGTGGACCGTGTGGCTGAGCAGCTGGAGAAGCTGGGCTACCCAGCCAT
CCAGGTGCGAGGCTGGCTGACTCCGGCTGGTTCCTGGACAACAAGCAGTATCGCCACACAGACTGCGTC
GACACGATCAGTGCAGCGCCACAGGAGCCATCCGCCGTGGCATCAGTACTGGAACGGGTGGTCCCGG
AGCGTGCAGCAGCCAGTTCAGGAGGGCAGGAGTGAAGTCTTCTTTGGCTACAAGTCTACCCGAC
CCTGCGCTGCCCTGTGTTGTTGCGTGGTGCAGTGGCTGTTTGACGAGGCACAGCTGACGGTGGACAACGTGCAC
CTGACGGGGCAGCCGGTGCAGGAGGGCTGCGGCTGTACATCCAGAACCTCGGCCGCGAGCTGCGCCACA
CACTCAAGGACGTGCCGGCCAGCTTTCGCCCGCTGCTTCCCATGAGATCATCATCCGGAGCCACTG
GACGGATGTCCAGGTGAAGGGGACGTGCTGCCCGAGCACTGCACTGCTGGGACAGGAGCTCCATGAC
AGCCACAAGGCCAGCAAGACCCCTCAAGGGCTGCCCGTCCACCTGGTGGACAGCTGCCCTGGCCCC
ACTGCAACCCCTCATGCCACCGTCCGAGACCAGTTCACGGGGCAAGAGATGAACGTGGCCAGTTCT
CATGCACATGGGCTTCGACATGCAGACGGTGGCCAGCCGAGGACTGGAGCCAGTGAAGTCTGGGG
ATGCTGAGCAACGGAAGCTAG
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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_178493 unedited NNNNAATGTTTANAATTTTGTNAATACGAACTNCATNATAGGGNCCGCCGCGNNAATTC GGCACCAGAANCTCAACGAGGACCTGCGCCTGCACCTCTACTCAACACCTCGGTGACCT GCAACGACGGCAGCCCCGCCGGCTACTACCTGAAGGAGTCCAGGGGCAGCCGGCGGTGGC TCCTCTTCTGGAAGGCGGCTGGTACTGCTTCAACCGGAGAAGTGCAGCTCCAGATACG ACACCATGCGGCGCCTCATGAGTCCCAGGACTGGCCGCGCACTGCACAGGCACAGGGA TCCTGTCTCACAGCCGAGGAGAACCCTACTGGTGGAAACGCAACATGGTCTTCATCC CCTACTGCTCCAGTGATGTTGGAGCGGGCTTCATCCAAGTCTGAGAAGAACGAGTACG CCTTCATGGGCGCCCTCATCATCCAGGAGTGGTGGCGGAGCTTCTGGGAGAGGGCTGA GCGGGGCCAAGGTGCTGCTGCTGGCCGGGAGCAGCGCGGGGGCACCAGGGTGTCTCTGA ATGTGGACCGTGTGGTGGTGGAGAGTGGGCTACCCAGCCATCCAGGTGCGAG GCCTGGTACTCCGGTGGTCTGGACAACAAGCAGTATCGCCACACAGACTGCGTCG ACACGATCACGTGCGCGCCACGAGGCCATCCGCCGTGGCATCAGGACTGGAACGGNG TGGTCCCGGAGCGCTGCCGACGCCAGTCCAGGAAGGCGAGGAGTGGAACTGCTTCTTG GCTACAAGGTCTACCCGACCCTGCGCTGCCCTGTTCGTGGTGCAGTGGCTGTTTGACG AGCACAGCTGACGGTGGACACGTGCACCTGACGGGGCAGCCGTGCCAGAGGCCTGCNGC TGTACATCCAGAACCTCGGCCGCGAGTGCGCCAACACTCAAGGACGTG</p>
Restriction Sites:	NotI-NotI
ACCN:	NM_178493
Insert Size:	2000 bp
OTI Disclaimer:	<p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info</p>
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_178493.3 , NP_848588.2
RefSeq Size:	2281 bp

RefSeq ORF: 1293 bp

Locus ID: 147111

UniProt ID: [Q6P988](#)

Cytogenetics: 17q25.3

Gene Summary: Carboxylesterase that acts as a key negative regulator of the Wnt signaling pathway by specifically mediating depalmitoleoylation of WNT proteins. Serine palmitoleoylation of WNT proteins is required for efficient binding to frizzled receptors (PubMed:25731175).
[UniProtKB/Swiss-Prot Function]