

Product datasheet for **SC304203**

SEMCAP3 (PDZRN3) (NM_015009) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SEMCAP3 (PDZRN3) (NM_015009) Human Untagged Clone
Tag:	Tag Free
Symbol:	SEMCAP3
Synonyms:	LN3; SEMACAP3; SEMCAP3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >NCBI ORF sequence for NM_015009, the custom clone sequence may differ by one or more nucleotides

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ATGGGCTTCGAGCTGGACCGCTTCGACGGCGACGTGGACCCGGACCTGAAGTGCGCGCTGTGCCACAAGG
TCCTGGAGGACCCGCTGACCACGCCGTGCGGCCACGTCTTCTGCGCCGGCTGCGTGTGCCCTGGTGGT
GCAGGAGGGCAGCTGCCCGCGCGCTGCCGCGGTGCGCTGTGCGCCAAAGAGCTCAACCAGTCCTGCCG
CTCAAGCGCCTTATCCTCAAGCTGGACATCAAGTGCGCGTACGCGACGCGCGCTGCGGGCCGGTGGTCA
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CGGCCAGGTGCTGCTGCGGCGGACGTGGAGGCGCACATGCGCGACGCGTGCAGCGCGGGCCAGTGGGC
CGTGCCAGGAGGGTGCGGGCTACCCTTGACGCACGGCGAGCAGCGCGGGCGGCCACTGCTGCGCGC
GAGCGTGCGGGCGCACAAACGGCGCGCTCCAGGCCCGCTGGGCGCGCTGCACAAGGCGCTCAAGAAGGA
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TGCCCGCGCCCGCGGCGCAAGGGCGAAGAAACCAAAAGTCTGACTCTTGTCTGCATCGGGACTCCGG
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TTATTGAGGTCAACGGCAGAGACTTATCCAGAGCAACTCATGACCAGGCTGTGGAAGCTTCAAGACAGC
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CCTCTCCAGCCACCCGTGCTGGATCCCTATCTTGGCAGAGGAGCATCCCTCAGCCCATGAATACTA
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CGGAGCAAGAGAACAATGGCGACGACGCCACCGCATCCTCAACCCGCTGGCGGGCAGAGGAAGCTCAC
CTGACGCCAGGACACCTGGGCAGCGGCGACCTGCCCTTACGCAACGAGTCTTTCATTTGCGCCGACTGC
ACGGACGCGGACTACCTGGGGATCCCGGTGGACGAGTGCAGAGCGTTCGCGGAGCTCCTGGAGCTCAAGT
GCCAGGTGAAGAGCGCCACCCCTTACGGCTGTACTACCCTAGCGGCCCCCTGGACGCGCGCAAGAGTGA
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AGCATCGTGCAGCGCCACAAGATGCAGCAGCTCAAGGAGCAGTACCGGAGTCTGGATGCTGCACAACA
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AGAGCCAGCGACGGGAGCCGAGCCACGCCCAGCCAGAAGCTGGGACGCGCTACCTGCCCTCTATC
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CCAGCAGAAGTCGGCCGTGGAGTACGCGCAAAGCCAGATGAGCCTGGTGAAGTGTGCAAGGACCTGAGC
TCTCCACCCCGTGGAGCCGCGCATGGAGTGGAAAGTGAAGTCCGACGACGGGACGCGCTACATCA
CCAAGAGGCCCGTGGGGACCGCTGCTGCGGGAGCGCGCCCTGAAGATCCGGGAAGAGCGCAGCGGCAT
GACCACCGACGACGCGGTGAGCGAGATGAAGATGGGGCGCTACTGGAGCAAGGAGGAGGAAGCAG
CACCTGGTGAAGCCAAGGAGCAGCGGCGCGGCGGAGTTTATGATGCAGAGCAGGTTGGATTGTCTCA
AGGAGCAGCAAGCAGCCGATGACAGGAAGGAGATGAACATTCTCGAACTGAGCCACAAAAAGATGATGAA
GAAGAGGAATAAGAAAATCTTCGATAACTGGATGACGATCCAAGAATCTTAACCCACGGCACAAAATCC
CCGGACGGCACTAGAGTATACAATTCCTTCTATCGGTGACTACTGTATAA
    
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Restriction Sites:	Please inquire
ACCN:	NM_015009
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>
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_015009.1 , NP_055824.1
RefSeq Size:	4161 bp
RefSeq ORF:	3201 bp
Locus ID:	23024
UniProt ID:	Q9UPQ7
Cytogenetics:	3p13
Protein Families:	Druggable Genome

Gene Summary:

This gene encodes a member of the LNX (Ligand of Numb Protein-X) family of RING-type ubiquitin E3 ligases. This protein may function in vascular morphogenesis and the differentiation of adipocytes, osteoblasts and myoblasts. This protein may be targeted for degradation by the human papilloma virus E6 protein. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Dec 2014]

Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (1).