

Product datasheet for **SC337458**

SEMCAP3 (PDZRN3) (NM_001303141) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SEMCAP3 (PDZRN3) (NM_001303141) Human Untagged Clone
Tag:	Tag Free
Symbol:	PDZRN3
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_001303141, the custom clone sequence may differ by one or more nucleotides

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ATGAAGATGGAACACAAGAGGATGATCTTATTGTTTCAGTAAATTTACTCTAATACATAAACCCCATGGTG
GAAGATGGTATTTGGTCAACGGCAGAGACTTATCCAGAGCAACTCATGACCAGGCTGTGGAAGCTTTCAA
GACAGCCAAGGAGCCCATAGTGGTGCAGGTGTTGAGAAGAACAACCAAGGACCAAAATGTTACGCCCTCCA
TCAGAGTCTCAGCTGGTGGACACGGGAACCCAAACCGACATCACCTTTGAACATATCATGGCCCTACTA
AGATGTCTCTCCAGCCACCCGCTGCTGGATCCCTATCTCTTGGCAGAGGAGCATCCCTCAGCCCATGA
ATACTACGATCCAAATGACTACATTGGAGACATCCATCAGGAGATGGACAGGGAGGAGCTGGAGCTGGAG
GAAGTGGACCTCTACAGAATGAACAGCCAGGACAAGCTGGGCCTCACTGTGTGCTACCGGACGGACGATG
AAGACGACATTGGGATTTATATCAGTGAGATTGACCTAACAGCATTGCAGCCAAGGATGGGCGCATCCG
AGAAGGAGACCGCATTATCCAGATTAATGGGATAGAGGTGCAGAACCCTGAAGAGGCTGTGGCTCTTCTA
ACCAAGTGAAGAAAATAAAAACTTTTCATTGCTGATTGCAAGGCCTGAACTCCAGCTGGATGAGGGCTGGA
TGGATGATGACAGGAACGACTTTCTGGATGACCTGCACATGGACATGCTGGAGGAGCAGCACCACCAGGC
CATGCAATTCACAGCTAGCGTGCAGCAGAAGAAGCAGCAGCAAGACGGTGGGACCACAGATACAGCC
ACCATCTTGTCCAACAGCACGAGAAGGACAGCGGTGTGGGGCGGACCGACGAGAGCACCCGTAATGACG
AGAGCTCGGAGCAAGAGAACAATGGCGACGACGCCACCGCATCCTCCAACCCGCTGGCGGGGAGAGGAA
GCTCACCTGCAGCCAGGACACCTTGGGCAGCGGACCTGCCCTTTCAGCAACGAGTCTTTTCATTTCCGGCC
GACTGCACGGACGCCACTACCTGGGGATCCCGGTGGACGAGTGCAGCGCTTCCGCGAGCTCCTGGAGC
TCAAGTCCAGGTGAAGAGCGCCACCCCTTACGGCCTGTACTACCTAGCGGGCCCTGGACGCCGGCAA
GAGTGACCCTGAGAGCGTGGACAAGGAGCTGGAGCTGCTGAACGAAGAGCTGCCAGCATCGAGCTGGAG
TGCTGAGCATCGTGCAGCGCCACAAGATGCAGCAGCTCAAGGAGCAGTACCGCGAGTCTGGATGCTGC
ACAACAGCGGCTTCCGCAACTACAACACCAGCATCGACGTGCGCAGACAGAGCTCTCAGATATCACCGA
GCTCCCGGAGAAAATCCGACAAGGACAGCTCGAGCGCTACAACACAGGCGAGAGCTGCCGAGCACCCCG
CTCACCTGGAGATCTCCCCGACAACCTTGGAGAGAGCGGGGAGGGCATCAGCTGCCCGAGCAGCG
AAGGGGCTGTGGGGACCACGGAAGCCTACGGGCCAGCCTCCAAGAATCTGCTCTCCATCACGGAAGATCC
CGAAGTGGGCACCCCTACCTATAGCCCGTCCCTGAAGGAGCTGGACCCCAACCAGCCCTGGAAAGCAA
GAGCGGAGAGCCAGCAGCGGGAGCCGAGCCCAACGCCCAGCCAGAAGCTGGGCAGCGCCTACCTGCCCT
CCTATCACCCTCCCATACAAGCACGCGCACATCCCGGCGCAGCCAGCACTACCAGAGCTACATGCA
GCTGATCCAGCAGAAGTCGGCCGTGGAGTACGCGCAAAGCCAGATGAGCCTGGTGAAGATGTGCAAGGAC
CTGAGCTCTCCACCCCGTCCGAGCCGCGCATGGAGTGAAGGTGAAGATCCGCAGCAGCGGACCGCT
ACATCACCAAGAGGCCCGTGCGGGACCGCTGCTGCGGGAGCGGCCCTGAAGATCCGGGAAGAGCGCAG
CGGCATGACCACCGACGACGACGCGGTGAGCGAGATGAAGATGGGGCGCTACTGGAGCAAGGAGGAGAGG
AAGCAGCACCTGGTGAAGGCCAAGGAGCAGCGGCGGCGCGAGTTCATGATGCAGAGCAGGTTGGATT
GTCTCAAGGAGCAGCAAGCAGCCGATGACAGGAAGGAGATGAACATTCTCGAACTGAGCCACAAAAGAT
GATGAAGAAGAGGAATAAGAAAATCTTCGATAACTGGATGACGATCCAAGAACTTTAACCCACGGCACA
AAATCCCCGACGGCACTAGAGTATAACAATTCCTTCTATCGGTGACTACTGTAA
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Restriction Sites: SgfI-MluI

ACCN: NM_001303141

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:	<u>NM_001303141.1, NP_001290070.1</u>
RefSeq Size:	3408 bp
RefSeq ORF:	2367 bp
Locus ID:	23024
UniProt ID:	<u>Q9UPQ7</u>
Cytogenetics:	3p13
Protein Families:	Druggable Genome
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (4) lacks several exons and uses an alternate 5' terminal exon, compared to variant 1. These differences result in a distinct 5' UTR and cause translation initiation at an alternate downstream start codon, compared to variant 1. The resulting protein (isoform 4) has a distinct N-terminus and is shorter than isoform 1.</p>