

Product datasheet for **SC123633**

SEMCAP3 (PDZRN3) (BC014432) Human Untagged Clone

Product data:

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|---------------------------|---|
| Product Type: | Expression Plasmids |
| Product Name: | SEMCAP3 (PDZRN3) (BC014432) Human Untagged Clone |
| Tag: | Tag Free |
| Symbol: | SEMCAP3 |
| Synonyms: | likely ortholog of mouse semaF cytoplasmic domain associated protein 3; LNX3; PDZ domain containing ring finger 3; SEMACAP3 |
| Mammalian Cell Selection: | None |
| Vector: | <u>pCMV6-XL5</u> |
| E. coli Selection: | Ampicillin (100 ug/mL) |
| Fully Sequenced ORF: | >OriGene sequence for BC014432 edited |

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GGCCTGGCCGCCACCATGGGCTTCGAGCTGGACCGCTTCGACGGCGACGTGGACCCGGAC
CTGAAGTGC GCGCTGTGCCACAAGTCTGGAGGACCCGCTGACCACGCCGTGCGGCCAC
GTCTTCTGCGCCGGCTGCGTGTGCCCTGGGTGGTGCAGGAGGGCAGCTGCCCGCGCGC
TGCCGCGGTGCGCTGTCGGCCAAAGAGCTCAACCACGTCTGCCGCTCAAGCGCCTATC
CTCAAGCTGGACATCAAGTGC GCGTACGCGACGCGCGGCTGCGGCCGGTGGTCAAGCTG
CAGCAGCTGCCGAGCACCTCGAGCGCTGCGACTTCGCGCCCGCGCGCTGTCGCCACGCG
GGTTGCGGCCAGGTGCTGCTGCGCGCGACGTGGAGGCGCACATGCGCGACGCGTGCAC
GCGCGGCCAGTGGCCGCTGCCAGGAGGCTGCGGGCTACCTTGACGCACGGCGAGCAG
CGCGGGGCGGCCACTGCTGCGCGGAGCGCTGCGGGCGCACAAACGGCGCGCTCCAGGCC
CGCCTGGCGCGCTGCACAAGGCGCTCAAGAAGGAGGCGCTGCGCGCTGGGAAGCGCGAG
AAGTCGCTGGTGGCCAGCTGGCCGCGGCGCAGCTTGAGCTGCAGATGACCGCGTGC GC
TACCAGAAGAAATTCACCGAATACAGCGCGCGCCTCGACTCGCTCAGCCGCTGCGTGCC
GCGCCGCCGCGCGCAAGGGCGAAGAAACCAAAAGTCTGACTCTTGCTCCTGCATCGGGAC
TCCGGCTCCCTGGGATCAATATTATTGGTGGCCGGCCGAGTGTGGATAACCACGATGGA
TCATCCAGTGAAGGAATCTTTGTATCCAAGATAGTTGACAGTGGGCTGCAGCCAAGGAA
GGAGGCTGCAAATTCATGACAGGATTATTGAGATGAGAAAACCTGGAACCTGAGAACAGTT
AAATTGCCAAAGCCACAGCCAGGATTCCAACGCTGGCTTCATCCACAATTGCTGTCC
CTGCACACTCCACCTCTGAGCTGTGAAAAAGGAGGAGTTCATCTGGCTTGTGGAGGGCT
TATTTGAACTGTATTTGATTGAAAACCTGCATGGGCTACTAAAATTGTTTTCTTGGGAAAA
AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

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| 5' Read Nucleotide Sequence: | >OriGene 5' read for BC014432 unedited AGGTTACATTTTGTAAATACGACTCACTATAGGGCCGGCCGCTGAATTCGCACGAGGGCC TGGCCGCCACCATGGGCTTCGAGCTGGACCGCTTCGACGGCGACGTGGACCCGGACCTGA AGTGCGCGCTGTGCCACAAGGTCTGGAGGACCCGCTGACCACGCCGTGCGGCCACGTCT TCTGCGCCGGCTGCGTGTGCCCTGGGTGGTGCAGGAGGGCAGCTGCCCGGCGCGCTGCC GCGGTGCGCTGTGCGCCAAAGAGCTCAACCACGTCCTGCCGCTCAAGCGCTTATCCTCA AGCTGGACATCAAGTGC GCGTACGCGACGCGCGCTGCGGCCGGTGGTCAAGCTGCAGC AGCTGCCGGAGCACCTCGAGCGCTGCGACTTCGCGCCCGCGCGCTGTCCGACGCGGGTT GCGGCCAGGTGCTGCTGCGGCGCGACGTGGAGGCGCACATGCGCGACGCGTGCAGCGCG GGCCAGTGGGCCGCTGCCAGGAGGGCTGCGGGCTACCCTTGACGCACGGCGAGCAGCGCG CGGGCGGCCACTGCTGCGCGCGAGCGCTGCGGGCGCACACGGCGCGCTCCAGGCCCGCC TGGGCGCGCTGCACAAGGCGCTCAAGAAGGAGGCGCTGCGCGCTGGGAAGCGGAGAAGT CGTGGTGGCCAGCTGGCCGCGCGCAGCTTGAGCTGCAGATGACCGCGCTGCGCTACC AGAAGAAATTCACCGAATACAGCGCGCGCCTCGACTCGCTCAGCCGCTGCGTGGCCGCGC CGCCCCGGCGCAGGGCGAAGAAACCAAAGTCTGACTTTGTCTGCATCGGGACTCCG GCTCCNTGGGATTCAATATTATTGGTGCCCGCCGAGTGTGGATAAACACGATGNATCAT CCAGTAAAGAAATCTTA |
| Restriction Sites: | Please inquire |
| ACCN: | BC014432 |
| Insert Size: | 1200 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). |
| 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>BC014432.1, AAH14432.1</u> |
| RefSeq Size: | 1178 bp |
| Locus ID: | 23024 |
| 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]