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Product datasheet for SC337410

SEMCAP3 (PDZRN3) (NM_001303139) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SEMCAP3 (PDZRN3) (NM_001303139) Human Untagged Clone
Tag:	Tag Free
Symbol:	PDZRN3
Synonyms:	LNX3; SEMACAP3; SEMCAP3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

View online »

Fully Sequenced ORF:

>NCBI ORF sequence for NM_001303139, the custom clone sequence may differ by one or more nucleotides

ATGATTAACCAGGTCAACGGCAGAGACTTATCCAGAGCAACTCATGACCAGGCTGTGGAAGCTTTCAAGA
CAGCCAAGGAGCCCATAGTGGTGCAGGTGTTGAGAAGAACACCAAGGACCAAAATGTTCACGCCTCCATC
AGAGTCTCAGCTGGTGGACACGGGAACCCAAACCGACATCACCTTTGAACATATCATGGCCCTCACTAAG
ATGTCCTCTCCCAGCCCACCCGTGCTGGATCCCTATCTCTTGCCAGAGGAGCATCCCTCAGCCCATGAAT
ACTACGATCCAAATGACTACATTGGAGACATCCATCAGGAGATGGACAGGGAGGAGCTGGAGCTGGAGGA
AGTGGACCTCTACAGAATGAACAGCCAGGACAAGCTGGGCCTCACTGTGTGCTACCGGACGGACGATGAA
GACGACATTGGGATTTATATCAGTGAGATTGACCCTAACAGCATTGCAGCCAAGGATGGGCGCATCCGAG
AAGGAGACCGCATTATCCAGATTAATGGGATAGAGGTGCAGAACCGTGAAGAGGCTGTGGCTCTTCTAAC
CAGTGAAGAAAATAAAAACTTTTCATTGCTGATTGCAAGGCCTGAACTCCAGCTGGATGAGGGCTGGATG
GATGATGACAGGAACGACTTTCTGGATGACCTGCACATGGACATGCTGGAGGAGCAGCACCACCAGGCCA
TGCAATTCACAGCTAGCGTGCTGCAGCAGAAGAAGCACGACGAAGACGGTGGGACCACAGATACAGCCAC
CATCTTGTCCAACCAGCACGAGAAGGACAGCGGTGTGGGGCGGACCGACGAGAGCACCCGTAATGACGAG
AGCTCGGAGCAAGAGAACAATGGCGACGACGCCACCGCATCCTCCAACCCGCTGGCGGGGCAGAGGAAGC
TCACCTGCAGCCAGGACACCTTGGGCAGCGGCGACCTGCCCTTCAGCAACGAGTCTTTCATTTCGGCCGA
CTGCACGGACGCCGACTACCTGGGGATCCCGGTGGACGAGTGCGAGCGCTTCCGCGAGCTCCTGGAGCTC
AAGTGCCAGGTGAAGAGCGCCACCCCTTACGGCCTGTACTACCCTAGCGGCCCCCTGGACGCCGGCAAGA
GTGACCCTGAGAGCGTGGACAAGGAGCTGGAGCTGCTGAACGAAGAGCTGCGCAGCATCGAGCTGGAGTG
CCTGAGCATCGTGCGCGCCCACAAGATGCAGCAGCTCAAGGAGCAGTACCGCGAGTCCTGGATGCTGCAC
AACAGCGGCTTCCGCAACTACAACACCAGCATCGACGTGCGCAGACACGAGCTCTCAGATATCACCGAGC
TCCCGGAGAAATCCGACAAGGACAGCTCGAGCGCCTACAACACAGGCGAGAGCTGCCGCAGCACCCCGCT
CACCCTGGAGATCTCCCCCGACAACTCCTTGAGGAGAGCGGCGGAGGGCATCAGCTGCCCGAGCAGCGAA
GGGGCTGTGGGGACCACGGAAGCCTACGGGCCAGCCTCCAAGAATCTGCTCTCCATCACGGAAGATCCCG
AAGTGGGCACCCCTACCTATAGCCCGTCCCTGAAGGAGCTGGACCCCAACCAGCCCCTGGAAAGCAAAGA
GCGGAGAGCCAGCGACGGGAGCCGGAGCCCCACGCCCAGCCAGAAGCTGGGCAGCGCCTACCTGCCCTCC
TATCACCACTCCCCATACAAGCACGCGCACATCCCGGCGCACGCCCAGCACTACCAGAGCTACATGCAGC
TGATCCAGCAGAAGTCGGCCGTGGAGTACGCGCAAAGCCAGATGAGCCTGGTGAGCATGTGCAAGGACCT
GAGCTCTCCCACCCCGTCGGAGCCGCGCATGGAGTGGAAGGTGAAGATCCGCAGCGACGGGACGCGCTAC
ATCACCAAGAGGCCCGTGCGGGACCGCCTGCTGCGGGAGCGCGCCCTGAAGATCCGGGAAGAGCGCAGCG
GCATGACCACCGACGACGACGCGGTGAGCGAGATGAAGATGGGGCGCTACTGGAGCAAGGAGGAGAGGAA
GCAGCACCTGGTGAAGGCCAAGGAGCAGCGGCGGCGGCGCGAGTTCATGATGCAGAGCAGGTTGGATTGT
CTCAAGGAGCAGCAAGCAGCCGATGACAGGAAGGAGATGAACATTCTCGAACTGAGCCACAAAAAGATGA
TGAAGAAGAGGAATAAGAAAATCTTCGATAACTGGATGACGATCCAAGAACTCTTAACCCACGGCACAAA
ATCCCCGGACGGCACTAGAGTATACAATTCCTTCCTATCGGTGACTACTGTATAA

Restriction Sites: SgfI-MluI

ACCN: NM_001303139

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:	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_001303139.1, NP_001290068.1
RefSeq Size:	3595 bp
RefSeq ORF:	2295 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 (2) 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 2) has a distinct N-terminus and is shorter than isoform 1.