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Product datasheet for RC239516

SEMCAP3 (PDZRN3) (NM_001303139) Human Tagged ORF Clone

Product data:

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

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ORF Nucleotide Sequence:

>RC239516 representing NM_001303139
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGATTAACCAGGTCAACGGCAGAGACTTATCCAGAGCAACTCATGACCAGGCTGTGGAAGCTTTCAAGA
CAGCCAAGGAGCCCATAGTGGTGCAGGTGTTGAGAAGAACACCAAGGACCAAAATGTTCACGCCTCCATC
AGAGTCTCAGCTGGTGGACACGGGAACCCAAACCGACATCACCTTTGAACATATCATGGCCCTCACTAAG
ATGTCCTCTCCCAGCCCACCCGTGCTGGATCCCTATCTCTTGCCAGAGGAGCATCCCTCAGCCCATGAAT
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TGCAATTCACAGCTAGCGTGCTGCAGCAGAAGAAGCACGACGAAGACGGTGGGACCACAGATACAGCCAC
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AGCTCGGAGCAAGAGAACAATGGCGACGACGCCACCGCATCCTCCAACCCGCTGGCGGGGCAGAGGAAGC
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TATCACCACTCCCCATACAAGCACGCGCACATCCCGGCGCACGCCCAGCACTACCAGAGCTACATGCAGC
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TGAAGAAGAGGAATAAGAAAATCTTCGATAACTGGATGACGATCCAAGAACTCTTAACCCACGGCACAAA
ATCCCCGGACGGCACTAGAGTATACAATTCCTTCCTATCGGTGACTACTGTA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

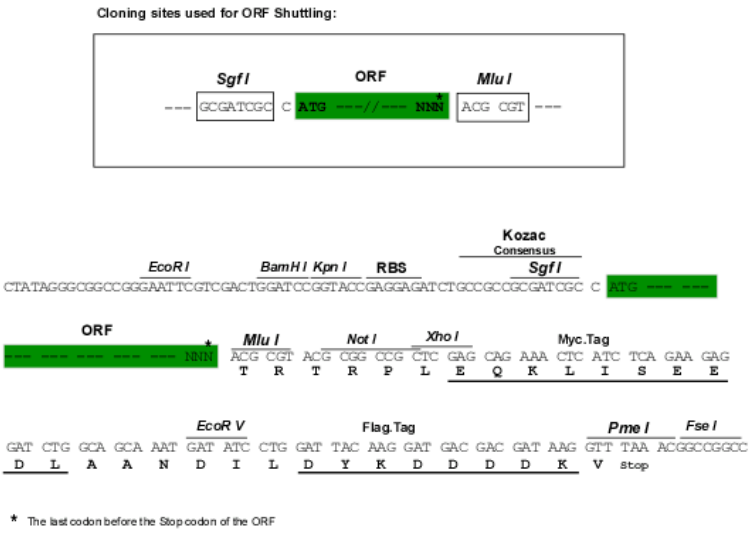
>RC239516 representing NM_001303139
Red=Cloning site Green=Tags(s)

MINQVNGRDLSRATHDQAVEAFKTAKEPIVVQVLRRTPRTKMFTPPSESQLVDTGTQTDITFEHIMALTK
MSSPSPPVLDPYLLPEEHPSAHEYYDPNDYIGDIHQEMDREELELEEVDLYRMNSQDKLGLTVCYRTDDE
DDIGIYISEIDPNSIAAKDGRIREGDRIIQINGIEVQNREEAVALLTSEENKNFSLLIARPELQLDEGWM
DDDRNDFLDDLHMDMLEEQHHQAMQFTASVLQQKKHDEDGGTTDTATILSNQHEKDSGVGRTDESTRNDE
SSEQENNGDDATASSNPLAGQRKLTCSQDTLGSGDLPFSNESFISADCTDADYLGIPVDECERFRELLEL
KCQVKSATPYGLYYPSGPLDAGKSDPESVDKELELLNEELRSIELECLSIVRAHKMQQLKEQYRESWMLH
NSGFRNYNTSIDVRRHELSDITELPEKSDKDSSSAYNTGESCRSTPLTLEISPDNSLRRAAEGISCPSSE
GAVGTTEAYGPASKNLLSITEDPEVGTPTYSPSLKELDPNQPLESKERRASDGSRSPTPSQKLGSAYLPS
YHHSPYKHAHIPAHAQHYQSYMQLIQQKSAVEYAQSQMSLVSMCKDLSSPTPSEPRMEWKVKIRSDGTRY
ITKRPVRDRLLRERALKIREERSGMTTDDDAVSEMKMGRYWSKEERKQHLVKAKEQRRRREFMMQSRLDC
LKEQQAADDRKEMNILELSHKKMMKKRNKKIFDNWMTIQELLTHGTKSPDGTRVYNSFLSVTTV

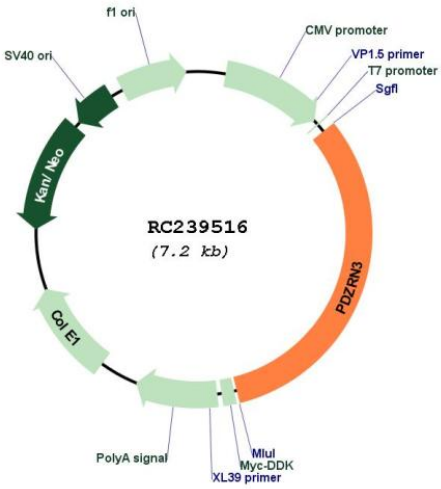
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN:	NM_001303139
ORF Size:	2292 bp
OTI Disclaimer:	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
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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
MW:	87.4 kDa
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]