

Product datasheet for **RC239554**

SEMCAP3 (PDZRN3) (NM_001303142) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SEMCAP3 (PDZRN3) (NM_001303142) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	SEMCAP3
Synonyms:	LNK3; SEMACAP3; SEMCAP3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide
Sequence:**

>RC239554 representing NM_001303142
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGGATGCAGTCTGTGCAGCCTGCAGAAGCAAGAGGAGCAGTACAAATTACTCTATGAAGTTTGTGAGG
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 GTGGACACGGGAACCAAACCGACATCACCTTTGAACATATCATGGCCCTCACTAAGATGTCCTCTCCCA
 GCCCACCGTGTGGATCCCTATCTCTTGCCAGAGGAGCATCCCTCAGCCCATGAATACTACGATCCAAA
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 ACTAGAGTATACAATTCTTCTATCGGTGACTACTGTA

ACGCGTACGCGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
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Protein Sequence:

>RC239554 representing NM_001303142

Red=Cloning site Green=Tags(s)

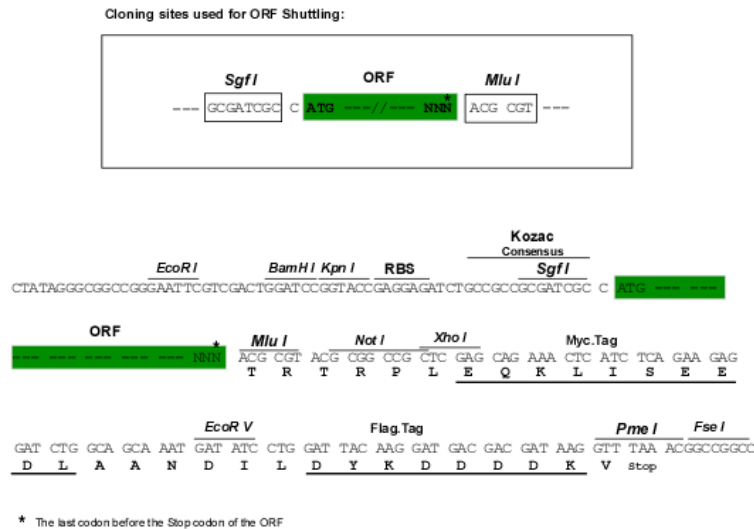
MGCSLCSLQKQEEQYKLLYEVCQVNGRDLSRATHDQAVEAFKTAKEPIVVQVLRRTPTKMTTPPSESQ
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 DYLGIPVDECERFRELLELKQVKSATPYGLYYPSGPLDAGKSDPESVDKELELLNEELRSIELECL SIV
 RAHKMQQLKEQYRESWMLHNSGFRNYNTSIDVRRHELSDITELPEKSDKDSSAYNTGESCRSTPLTLEI
 SPDNSLRRAAEGISCPSSSEGAVGTTEAYGPASKNLLSITEDPEVGTPTYSPSLKELDPNQPLESKERRAS
 DGSRSPTPSQKLGSAYLPSYHHSPYKHAHIPAHAQHYQSYMQLIQKSAVEYAQSQMSLVSMCKDLSSPT
 PSEPRMEWKVKIRSDGTRYITKRPVRDRLLRERALKIREERSGMTTDDDAVSEMKGGRYWSKEERKQHLV
 KAKEQRRRREFMMQSRDLCLKEQQAADDRKEMNILEL SHKKMMKKRNKKIFDNWMTIQELLTHGTKSPDG
 TRVYNSFLSVTTV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN: NM_001303142

ORF Size: 2349 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_001303142.2](#)

RefSeq Size: 3588 bp

RefSeq ORF: 2352 bp

Locus ID: 23024

UniProt ID: [Q9UPQ7](#)

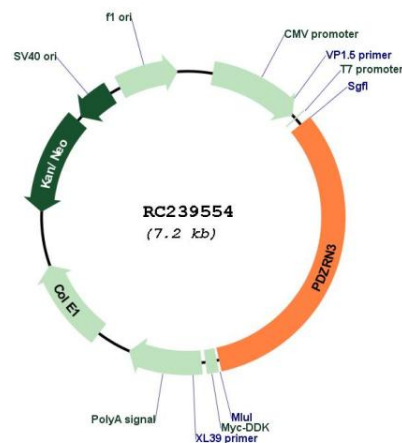
Cytogenetics: 3p13

Protein Families: Druggable Genome

MW: 89.6 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]

Product images:



Circular map for RC239554