

Product datasheet for **RC216091**

SEMCAP3 (PDZRN3) (NM_015009) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SEMCAP3 (PDZRN3) (NM_015009) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	SEMCAP3
Synonyms:	LNX3; SEMACAP3; SEMCAP3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC216091 representing NM_015009 Red=Cloning site Blue=ORF Green=Tags(s)

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Protein Sequence:

>RC216091 representing NM_015009
Red=Cloning site Green=Tags(s)

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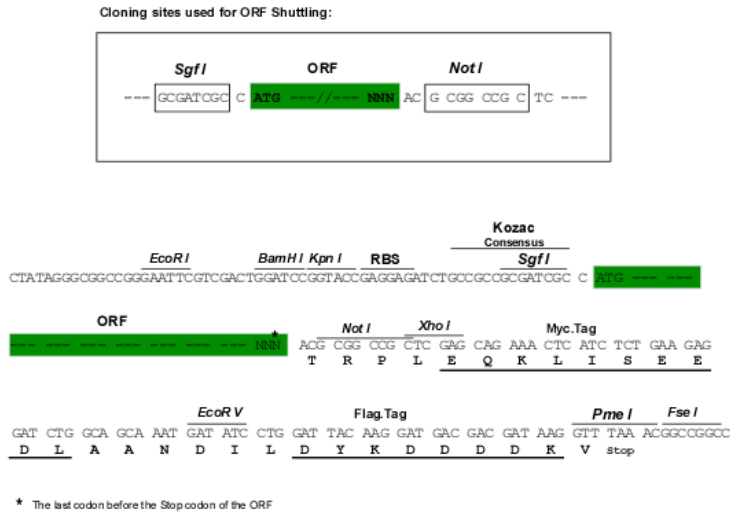
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Chromatograms:

https://cdn.origene.com/chromatograms/ja3273_d02.zip

Restriction Sites: SgfI-NotI

Cloning Scheme:



ACCN: NM_015009

ORF Size: 3198 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in *E. coli* are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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_015009.1](#), [NP_055824.1](#)

RefSeq Size: 4161 bp

RefSeq ORF: 3201 bp

Locus ID: 23024

UniProt ID: [Q9UPQ7](#)

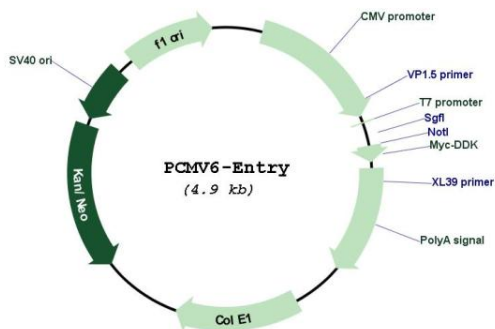
Cytogenetics: 3p13

Protein Families: Druggable Genome

MW: 119.6 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 RC216091