

## Product datasheet for **RG239516**

### 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:	TurboGFP
Symbol:	SEMCAP3
Synonyms:	LN3; SEMACAP3; SEMCAP3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

>RG239516 representing NM\_001303139.  
 Blue=ORF Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
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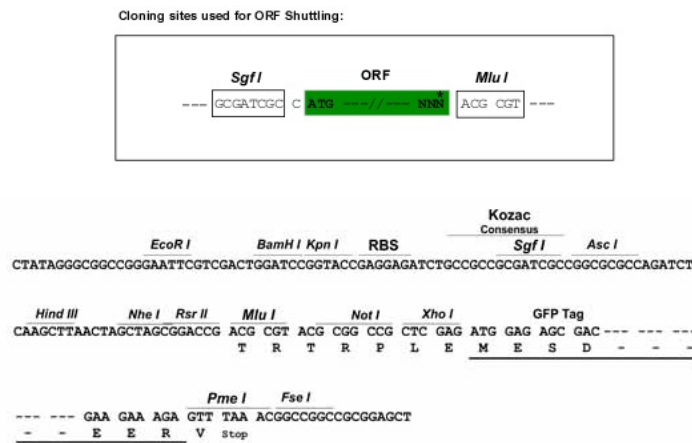
**Protein Sequence:** >Peptide sequence encoded by RG239516  
 Blue=ORF Red=Cloning site Green=Tag(s)

```

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SVTTV
TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV
MGYGFYHFGTYPSTYENPFLHAINNGGYNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPE
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```

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_001303139

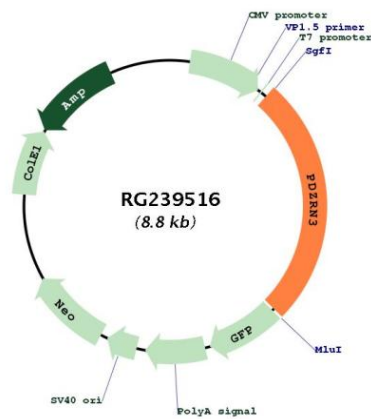
**ORF Size:** 2292 bp

**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.

<b>Components:</b>	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).
<b>RefSeq:</b>	<u>NM_001303139.1, NP_001290068.1</u>
<b>RefSeq Size:</b>	3595 bp
<b>RefSeq ORF:</b>	2295 bp
<b>Locus ID:</b>	23024
<b>UniProt ID:</b>	<u>Q9UPQ7</u>
<b>Cytogenetics:</b>	3p13
<b>Protein Families:</b>	Druggable Genome
<b>MW:</b>	87.4 kDa
<b>Gene Summary:</b>	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 RG239516