

Product datasheet for RC205294L4

SMCP (NM_030663) Human Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: SMCP (NM_030663) Human Tagged Lenti ORF Clone

Tag: mGFP Symbol: SMCP

Synonyms: HSMCSGEN1; MCS; MCSP

Mammalian Cell Puromycin

Selection:

Vector: pLenti-C-mGFP-P2A-Puro (PS100093)

E. coli Selection: Chloramphenicol (34 ug/mL)

ORF Nucleotide The ORF insert of this clone is exactly the same as(RC205294).

Sequence:

Restriction Sites: Sgfl-Mlul

Cloning Scheme:





^{*} The last codon before the Stop codon of the ORF

ACCN: NM_030663

ORF Size: 348 bp



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SMCP (NM_030663) Human Tagged Lenti ORF Clone - RC205294L4

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: <u>NM 030663.2</u>

RefSeq Size: 784 bp RefSeq ORF: 351 bp

Locus ID: 4184

 UniProt ID:
 P49901

 Cytogenetics:
 1q21.3

MW: 12.8 kDa

Gene Summary: Sperm mitochondria differ in morphology and subcellular localization from those of somatic

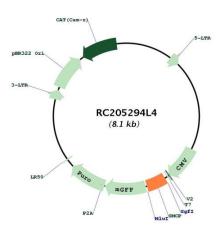
cells. They are elongated, flattened, and arranged circumferentially to form a helical coiled sheath in the midpiece of the sperm flagellum. The protein encoded by this gene localizes to the capsule associated with the mitochondrial outer membranes and is thought to function in

the organization and stabilization of the helical structure of the sperm's mitochondrial

sheath. [provided by RefSeq, Jul 2008]



Product images:



Circular map for RC205294L4