

Product datasheet for **RG240012**

SMC1L2 (SMC1B) (NM_001291501) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SMC1L2 (SMC1B) (NM_001291501) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	SMC1B
Synonyms:	SMC1BETA; SMC1L2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG240012 representing NM_001291501. Blue=ORF Red=Cloning site Green=Tag(s)

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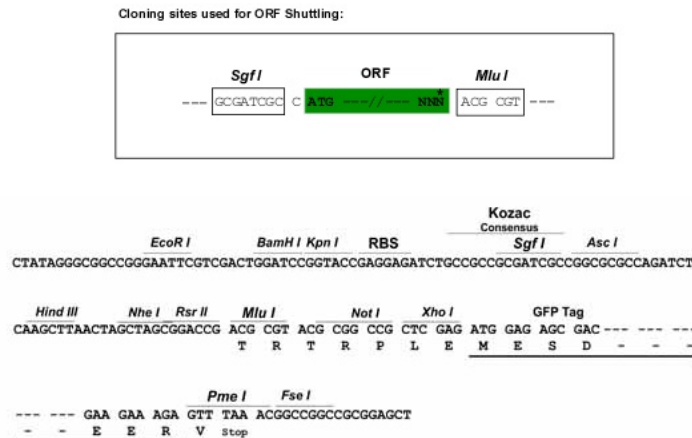
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Protein Sequence: >Peptide sequence encoded by RG240012
 Blue=ORF Red=Cloning site Green=Tag(s)

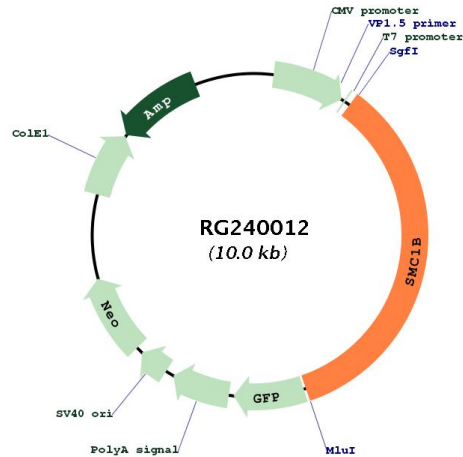
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Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001291501

ORF Size: 3483 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).

RefSeq: [NM_001291501.2](#)

RefSeq Size: 4044 bp

RefSeq ORF: 3486 bp

Locus ID: 27127

UniProt ID: [Q8NDV3](#)

Cytogenetics: 22q13.31

Protein Pathways: Cell cycle, Oocyte meiosis

MW: 136.2 kDa

Gene Summary: SMC1L2 belongs to a family of proteins required for chromatid cohesion and DNA recombination during meiosis and mitosis (3:Revenkova et al., 2001 [PubMed 11564881]). [supplied by OMIM, Mar 2008]