

## Product datasheet for **RG238340**

### SMAP1 (NM\_001281440) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	SMAP1 (NM_001281440) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	SMAP1
Synonyms:	SMAP-1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG238340 representing NM_001281440. Blue=ORF Red=Cloning site Green=Tag(s)

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GCTCGTTTGTAGTAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
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AGTATGGTGGTCTTTTCGGTCTCGATGGGCTTCTGGAATATTGGTGTGTTTATTTGCATCAGATGT
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AATCAGCAGATGGCTGGCATGAGTATCAGTAGTCAACCCCTACTGCAGGTTTTGGCCAGCCCTCCAGC
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ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
```



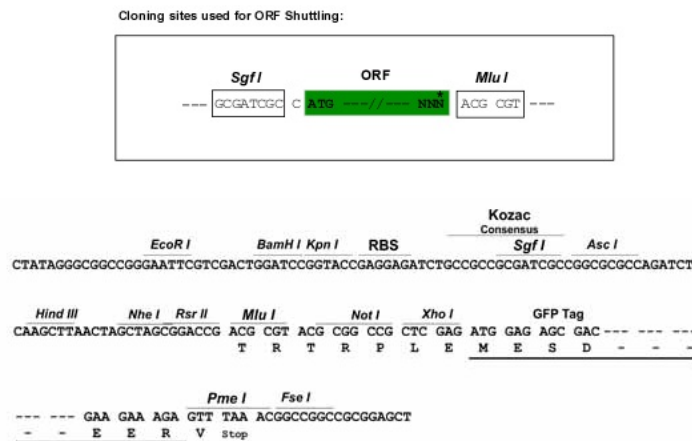
[View online »](#)

**Protein Sequence:** >Peptide sequence encoded by RG238340  
 Blue=ORF Red=Cloning site Green=Tag(s)

MEPYLPAHLTAFVQGFYLCFLKKSMMVFFGPRWASWNIGVFICIRCAGIHRNLGVHISRKSVNLDQWT  
 AEQIQCMQDMGNTKARLLYEANLPENFRRPQTDQAVEFFIRDKEYEKKKYDKNAIAITNISSSDAPLQP  
 LVSSPSLQAAVDKNKLEKEKEKKEKREKEPEKPAKPLTAEKLQKKDQQLPEKKSTSPKAAEPTVD  
 LLGLDGPVAVPVNTGNTTVPPLNDDLDFGPMISNPLPATVMPPAQTGPSAPAAATLSTVTSGLDLFT  
 EQTTKSEEVAKKQLSKDSLSTLGTGTIQQQSTPGVFMGPTNIPFTSQAPAAFQGFPSMGVVPVPAAPGL  
 IGNVMGQSPSMMVGMPPNGFMGNAQTGMPLPQNVVGPQGMVGMGAPQSKFGLPQAQQPQWSLSQM  
 NQQMAGMSISSATPTAGFGQPSSTTAGWSGSSSQTLSTQLWK  
 TRTRPLEMESDEGLPAMEIECRITGTLNGVEFELVGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV  
 MGYGFYHFGTYPSTYENPFLHAINNGGYNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPED  
 SVIFTDKIIRSNATVEHLHPMGDNDLDGSFTRTFLRDGGYSSVVDSHMHFKSAIHPSILQNGGPMFA  
 FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_001281440

**ORF Size:** 1371 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\\_001281440.1](#), [NP\\_001268369.1](#)

RefSeq Size: 3165 bp

RefSeq ORF: 1374 bp

Locus ID: 60682

UniProt ID: [Q8IYB5](#)

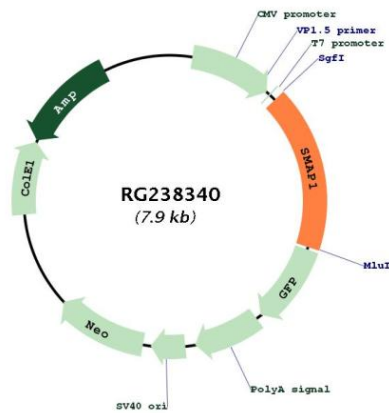
Cytogenetics: 6q13

Protein Pathways: Endocytosis

MW: 49.7 kDa

**Gene Summary:** The protein encoded by this gene is similar to the mouse stromal membrane-associated protein-1. This similarity suggests that this human gene product is also a type II membrane glycoprotein involved in the erythropoietic stimulatory activity of stromal cells. Alternate splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Jul 2008]

**Product images:**



Circular map for RG238340