

## Product datasheet for SC336234

### SMAP1 (NM\_001281440) Human Untagged Clone

#### Product data:

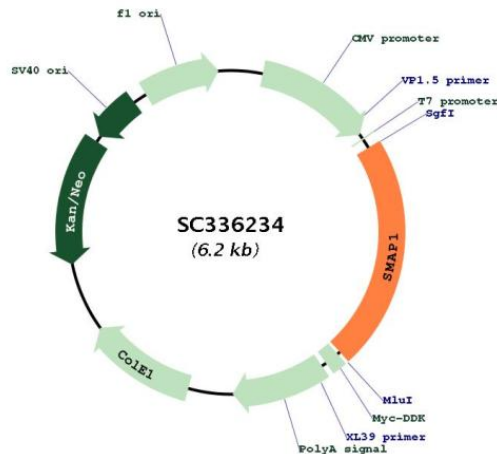
Product Type:	Expression Plasmids
Product Name:	SMAP1 (NM_001281440) Human Untagged Clone
Tag:	Tag Free
Symbol:	SMAP1
Synonyms:	SMAP-1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC336234 representing NM_001281440. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGAGCCCTACCTGCCTGCCACCTGACAGCTTTTGTACAAGGCTTTTATCTCTGCTTCTGAAAAAG
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ACAACAGCAGGATGGTCTGGAAGCTCATCAGGTCAGACTCTCAGCACAACTGTGGAAATGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGCGC
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Restriction Sites: SgfI-MluI

Plasmid Map:



ACCN: NM\_001281440

Insert Size: 1374 bp

**OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

**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\\_001281440.1](#)

RefSeq Size: 3165 bp

RefSeq ORF: 1374 bp

Locus ID: 60682

UniProt ID: [Q8IYB5](#)

Cytogenetics: 6q13

Protein Pathways: Endocytosis

**MW:** 49.2 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]

Transcript Variant: This variant (4) differs in the 5' UTR and initiates translation at an alternate start codon, compared to variant 1. The encoded isoform (D) has a distinct N-terminus and is shorter than isoform A.