

## Product datasheet for **MC225548**

### Smagp (NM\_001285414) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Smagp (NM_001285414) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Smagp
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC225548 representing NM_001285414 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGACCACGCCGGTTTTTCAGGCCCTGAGACCCTGTCCCCACAAGCTGAAGAGGCCAGCACAGCGCTCA  
TTGCAGTTGTTATCACCGTGGTGTTCCTCACCTGCTCTCGGTGGTGACCTTGATCTTCTTCACTTGTA  
CAAGAACAAGGCAGCTACGTACCTATGAGCCTGCAGAAGGGGAGCCAGCGCCATCCTCCAGATGGAG  
ACTGACTCAGCCAAGGGCAGAGAGAAGGAAGAGTACTTCATCTAA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	SgfI-MluI
ACCN:	NM_001285414
Insert Size:	255 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).
OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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).



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**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\_001285414.1, NP\_001272343.1

**RefSeq Size:** 966 bp

**RefSeq ORF:** 255 bp

**Locus ID:** 207818

**Cytogenetics:** 15 F1

**Gene Summary:** May play a role in epithelial cell-cell contacts. May play a role in tumor invasiveness and metastasis formation (By similarity).[UniProtKB/Swiss-Prot Function]  
Transcript Variant: This variant (4) differs in its 5' UTR, and initiates translation at a downstream start codon, compared to variant 1. The encoded isoform (2) has a shorter N-terminus, compared to isoform 1. Both variants 3 and 4 encode the same isoform.