

Product datasheet for **RN204842**

Smurf1 (NM_001109598) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Smurf1 (NM_001109598) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Smurf1
Synonyms:	RGD1309707
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN204842 representing NM_001109598
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGTCGAACCCCGGACCCGTAGGAACGGCTCCAGCATCAAGATCCGTCTGACAGTATTGTGTGCCAAGA
 ACCTTGCAAAGAAAGACTTCTTCAGACTCCCCGACCCCTTTGCCAAGATTGTTGTGGACGGCTCTGGGCA
 GTGCCACTCAACCGACTGTGAAAAACACCCTGGACCCAAAGTGAACAGCACTATGACCTGTACGTT
 GGGAAAACCGACTCGATAACCATCAGTGTGTGGAACCACAAGAAGATCCACAAGAAGCAGGGGGCTGGCT
 TCCTGGGCTGCGTGC GGCTGCTCTCCAATGCCATCAGCAGATTGAAAGATACCGGCTACCAGCGTTTGG
 TCTATGCAAACAAATCCCTCAGATACTGATGCAGTTCGTGGCCAAATAGTGGTCAGTTTACAGACCCGA
 GACAGAATAGGTGGTGGAGGGTCCGTGGTGGACTGCAGGGGACTGCTGGAGAACGAAGGAACGGTATATG
 AAGACTCAGGCCCTGGAAGGCCGCTCAGCTGCCTCATGGAGAACCTGCCCGTATACAGATGGCACCCGG
 TGCAGCGCAGGAGGTGGAACTGCAGGTTTGTGGAGTCTCAAGCCAAGATCAGAGACTCCTGGTACAG
 CGACTCCGAAATCCTGAGGTTCCAGGATCCCTACAGACACCGCAGAATCGACCACATGGCCACCAGTCC
 CGGAGCTGCCTGAAGGCTACGAGCAAAGGACAACAGTGCAGGGACAAGTTTACTTTTTGCACACGCAGAC
 TGGAGTCAACATGGCACGACCCAGGATCCCCAGAGACCTTAACAGTGTGAATGCGATGAACCTGGG
 CCACTGCCTCCAGGCTGGGAAGTCAGAAGCACAGTGTCCGGGAAGAATCTATTTTGTAGATCAACAATA
 GGACAACCCAGTTTACAGACCCACGGCTTACCACATCATGAATCACCAGTGCCAACTCAAGGAGCCAG
 CCAGCCGCTGCAGTTGCCAGTGAAGGCTCCGTGGAGGACGAGGAGCTTCTGCCAGAGATATGAGAGA
 GATTTAGTCCAGAAGCTTAAAGTTCTCAGACATGAGCTCTCTTTCAGCAGCCCCAAGCTGGTCATTGTC
 GCATAGAAGTTTCCAGAGAAGAAATATTTGAGGAGTCATATCGCCAGATCATGAAGATGCGACCAAAGA
 CCTGAAGAAGCGCCTGATGGTGAAGTCCGAGGGGAGGAAGGCTTGGACTATGGTGGGGTGGCTCGGGAG
 TGGCTGTATTTGTGTGCCATGAAATGTTGAATCCGTATTATGGACTCTTCCAGTATTCCACGGACAATA
 TTTACACACTGCAAAATCAACCCAGATTCTTCTATCAACCCCTGACCATCTGTCTTACTTCCACTTTGTGG
 TCGCATCATGGTCTGGCTGTGTTCATGGACTACATAAACGGGGGCTTACAGTTCTTTCTACAAG
 CAGCTCCTGGGAAAACCCATCCAGCTGTCCGATCTGGAGTCAAGTGGACCCAGAATTCACAAGAGCTTGG
 TGTGGATTCTAGAGAATGACATCAGCCAGTGTGGATCACACCTTCTGCGTGGAGCACAATGCTTTTGG
 GCGGATCCTTCCAGATGAACTGAAACCCAATGGCAGAAATGTGCCTGTCCTGAGGAGACAAGAAGGAG
 TATGTGCGGTTGTATGTGAAGTGGAGTTTATGAGAGGAATCGAAGCCAGTTCTAGCGCTTCCAGAAAG
 GGTTTAACGAACCTATCCCAACACTTACTGAAGCCCTTTGACCAGAAGGAAGTAGAGCTGATAATAGG
 CGGCTGGATAAGATAGACCTGAATGACTGGAAGTCCAACACTCGGCTGAAGCACTGTGTGGCAGACAGC
 AACATCGTCAGGTGGTCTGGCAGGCGGTGGAGACCTTCGATGAGGAGAGGAGAGCCAGGCTCCTGCAGT
 TTGTGACAGGATCCACACGAGTTCCTCTCCAAGGCTTCAAGGCTCTGCAAGGCGCGGAGGGCCCCGGCT
 CTTACCATCCACCTGATTGACGCCAACCCGACAACCTGCCAAGGCCACACCTGCTTTAATCGGATT
 GACATCCCACCCTATGAGTCTATGAGAAGCTCTATGAGAAGCTGCTGACAGCGGTAGAGGAGACCTGTG
 GCTTTGCCGTGGAGTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001109598
Insert Size: 2187 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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](#)

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_001109598.1](#), [NP_001103068.1](#)

RefSeq Size: 5101 bp

RefSeq ORF: 2187 bp

Locus ID: 690516

Cytogenetics: 12p11