

Product datasheet for **RN206642**

Smurf2 (NM_001107061) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Smurf2 (NM_001107061) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Smurf2
Synonyms:	RGD1310067
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN206642 representing NM_001107061
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGTCTAACCCCGGAGGCCGGAGGAACGGGCCCGTCAAGCTGCGCCTGACAGTACTCTGTGCAAAAACT
 TGGTGAAAAAGGATTTTTCCGACTCCCTGATCCGTTTGCTAAGGTGGTAGTTGATGGTTCTGGCAATG
 CCATTCTACAGATACTGTGAAGAACACACTTGATCCAAAGTGGAATCAGCATTATGACCTGTATATTGGG
 AAGTCTGATTCGTCACGATCAGCGTGTGAATCATAAGAAGATCCATAAGAAGCAAGGTGCTGGATTTCT
 TTGGTTGTGTTCTTCTTTCCAATGCCATCAATCGCCTCAAAGACTGGCTATCAGAGGTTGGATTT
 ATGCAAACTGGGGCCAAATGACAATGATACAGTTCGAGGACAAATGTAGTAAGTCTTCAATCCAGAGAC
 CGAATAGGCACGGGAGGACAAGTTGTGGACTGCAGTCGTTTGTGATAATGATTTACCAGACGGTTGGG
 AAGAAAGGCGAACTGCCTCTGGAAGAATCCAGTATCTAAACCACATCACAAGAACTACACAGTGGGAACG
 CCCAACAAGACCGCGCTCAGAATATTCTAGTCCTGGCAGGCCTCTTAGCTGCTTTGTGGATGAGAATACT
 CCAATTACTGGAACAAATGGTGCAACATGTGGACAGTCTTCAGATCCCAGACTAGCAGAGAGGAGAGTCC
 GGTCTCAGCGACATAGAAATTACATGAGCAGGACACACTTACACACTCCTCCAGACCTACCCGAAGGCTA
 TGAACAGAGGACAACACAACAGGGTCAGGTATATTTCTTACATACTCAGACTGGCGTGAGCACGTGGCAT
 GATCCACGAGTGCCTAGGGATCTTAGCAACATCAATTGTGAAGAGCTCGGTCTCTGCTCCTGGGTGGG
 AGATCCGCAATACCGCGACAGGCAGAGTTTATTTCTGGACCATAACAACAGAACACACAGTTTACAGA
 TCCTCGTCTCTGCTAACTTGCATTTAGTTTTAAATCGTCAGAACAGTTGAAAGACCAACAGCAACAG
 CAAGTGGTGTGTTGTGTCGCGATGACACTGAGTGTCTGACAGTGCCAAGGTACAAGCGAGACTTGGTTC
 AAAAACTAAAGATCTTGGCGCAAGAATTTCCCAACAGCAGCCTCAAGCTGGCCACTGCCGATTGAGGT
 GTCAAGGGAAGAGATTTTTGAGGAATCATATCGACAAGTCATGAAAATGAGACCAAGGATCTATGGAAAG
 CGATTAATGATAAAATTTGAGGAGAAGAAGGCCCTTGACTATGGAGGAGTTGCCAGGGAATGGTTGTATC
 TCCTGTGCGCATGAAATGTTGAATCCTTACTACGGTCTCTTCCAGTATTCAAGAGATGATATCTACACGTT
 ACAGATCAATCCCGATTCTGCAGTTAATCCGGAGCATTGTCTATTTCCACTTTGTTGGACGAATAATG
 GGAATGGCTGTATTCCATGGACATTATATTGATGGTGGTTTACATTACCTTTTTATAAACAGTTGCTTG
 GGAAGTCAATTACTTTGGACGACATGGAGCTAGTTGATCCAGACCTTCATAATAGTTTGGTGTGGATACT
 TGAATAATGATATCACAGGTGTTCTGGACCATACCTTCTGTGTTGAACATAACGCATATGGTGAATTTATT
 CAGCATGAACTCAAACCAATGGCAAAAGTATTCCTGTTACTGAAGAAAATAAAAAAGAATATGTCAGGC
 TTTACGTAACCTGGAGATTCTCCGAGGCATTGAAGCTCAGTTCCCTGGCACTACAGAAGGGATTTAATGA
 AGTCATTTCCACAGCATCTGCTGAAGACATTTGATGAGAAGGAGCTGGAGCTCATTATCTGTGGGCTTGGC
 AAAATTGACGTGAGCGACTGGAAGGCCAACACCCGGTTAAAGCACTGCACCCAGACAGCAACGTCGTCA
 AGTGGTTTTGAAAGCTGTGGAGCTTTTGTGATGAGGAGAGACGAGCAGGCTGCTCCAGTTTGTGACAGG
 GTCCTCTCGAGTGCCTCTGCAGGGCTTCAAAGCACTCCAAGGTGCCGCGGGCCACGGCTCTTTACCATA
 CACCAGATTGATGCCTGCACGAACAACCTGCCAAAAGCCACACTTGTTCATCGAATAGACATTCGCG
 CCTATGAGAGCTATGAGAAGCTCTACGAAAAGCTGCTAACAGCCATCGAGGAGACCTGTGGCTTTGCTGT
 GGAG**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001107061
Insert Size: 2247 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:	<ol style="list-style-type: none">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:	<u>NM_001107061.1</u> , <u>NP_001100531.1</u>
RefSeq Size:	4975 bp
RefSeq ORF:	2247 bp
Locus ID:	303614
Cytogenetics:	10q32.1