

Product datasheet for **RN210260**

Smo (NM_012807) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Smo (NM_012807) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Smo
Synonyms:	Smoh
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN210260 representing NM_012807
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGCTGCTGGCCGCCCGTGCCTGGGCCCCGAGCTGGCGCCCCGAGGCTGCTGCAGTTGCTGCTGCTGG
 TACTGCTTGGGGCCGGGGCCGGGGGGCGCCTTGAGCGGGAACGTGACCGGGCCTGGGCCCTCGCAGTGC
 CGGCGGGAGCGCAGGAGGAACGCGCGGTGACCAGCCCTCCGCCCGCTGCTGAGCCACTGCGGCCGG
 GCCGCCACTGCGAGCCTTTGCGCTACAACGTGTGCCTGGGCTCCGCGCTGCCCTACGGAGCCACCACCA
 CGCTGCTGGTGGGACTCGGACTCGCAGGAGGAAGCGCACAGCAAGCTCGTGTCTGTTCCGGCCTCCG
 GAATGCTCCCCGATGCTGGGAGTGTCCAGCCCTGCTGTGTGTGTCTACATGCCAAGTGTGAAAAT
 GACCGAGTGGAGTTGCCAGCCGTACCCTCTGCCAGGCCACCCGAGGCCCTGTGCCATTGTGGAGCGGG
 AACGAGGGTGGCCTGACTTTCTGCGTTGCACGCCGGACCCTCCCTGAAGGCTGTCAAACGAGGTACA
 AAACATCAAGTTCAACAGTTCAAGCCAATGTGAAGCACCTTGGTGAGGACAGACAACCCCAAGAGCTGG
 TACGAGGACGTGGAGGGCTGTGGGATCCAGTGCCAGAACCCGCTGTTACCGAGGCTGAGACCAGGACA
 TGCACAGTTACATCGCAGCCTTCGGGGCGGTACCCGGCCTCTGTACACTTTCACCTGGCCACCTTTGT
 GGCTGACTGGCGGAACCTCAATCGCTACCTGCGGTTATTCTTCTATGTCAATGCGTGTTTCTTTGTG
 GGCAGCATTGGCTGGCTGGCCAGTTTATGGATGGTGGCCGCCGGGAGATTGTTTGGCAGCAGATGGCA
 CCATGAGATTTGGGGAGCCACCTCCAGCGAGACCCTATCCTGTGTATCATCTTTGTATCGTGTACTA
 TGCCTTGATGGCTGGAGTAGTGTGGTTCGTGGTCCCTCACCTATGCCTGGCACACCTCCTCAAAGCCCTG
 GGCACCACTTACCAGCCTCTCTCGGGCAAGACATCCTATTTCCACCTGCTCACGTGGTCACTCCCCTTCG
 TCCTCACTGTGGCAATCCTTGTGTGGTCAAGTAGATGGGACTCCGTGAGTGGCATCTGCTTTGTAGG
 CTAACAAGAACTACGGTACCGTGGCTTTGTACTTGCCTCAATTTGGCCTGGTGTCTATTGTGGGAGGC
 TACTTCTCATCCGAGGGTCTGACTCTGTTCTCCATCAAGAGCAACCCCTGGGCTTCTGAGTGAGA
 AGGCAGCCAGCAAGATCAATGAGACCATGCTGCGCCTGGGCATTTTTGGCTTCTCGCCTTTGGCTTCGT
 GCTCATCACCTTCACTGCCACTTCTATGACTTCTCAACCAGGCTGAGTGGGAGCGTAGCTTCCGGGAC
 TATGTGCTATGCCAAGCCAATGTGACCATTGGGCTGCCTACCAAGAAGCCATTCTGATTGTGAGATCA
 AGAATCGGCCAGCCTCCTGGTGGAGAAGATCAATCTGTTTGCATGTTTGGCACTGGCATTGCCATGAG
 CACCTGGGTCTGGACCAAGGCCACCCTGCTCATCTGGAGGCGCACCTGGTGCAGGTTGACTGGGCACAGT
 GATGATGAACCAAGAGAATCAAGAAAAGCAAGATGATTGCCAAGCCTTCTCTAAGCGGCTGAACTGC
 TGCAGAACCCGGGCCAGGAGCTCTCCTTACGATGCACACTGTCTCCCATGATGGACCTGTTGCCGTTT
 GGCTTTGAACTCAATGAACCCTCAGCTGATGTCTCTCTGCCTGGGCCAGCACGTACCAAGATGGTG
 GCTCGAAGAGGAGCCATATTACCCAGGATGTGTCTGTACCCCTGTGGCAACTCCAGTGCACACAGAAG
 AACCAAGCAACCTGTGGCTGGTTGAGGCAGAGATCTCCCAGAGTTAGAGAAGCGTTTAGGCCGGAAGAA
 GAAGCGGAGGAAGAGGAAGAAGGAGGTGTGCCCTTGGGGCCAGCCCCTGAACTTCAACACTCTGCCCT
 GTTCTGCCACCAGTGCAGTTCTCGGCTGCCTCAGCTGCCTCGGAGAAAGTGCCTAGTAGCTGCAATG
 CCTGGGGAACAGGAGAGCCCTGCCGACAGGAGCCTGGACTGTAGTCTCAACCCCTTCTGCCAGAGCC
 TAGTCCCATCAAGATCCATTTCTCCTGGTGCCTCAGCCCCAGGGTCTGGGCTCAGGGCCGCCTCCAG
 GGGCTGGGATCCATTATTCCCGCACTAACCTAATGGAGGCTGAGCTCTTGGATGCAGACTCGGACTTCT
 GA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul
ACCN: NM_012807
Insert Size: 2382 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:	NM_012807.1 , NP_036939.1
RefSeq Size:	2382 bp
RefSeq ORF:	2382 bp
Locus ID:	25273
UniProt ID:	P97698
Cytogenetics:	4q22
Gene Summary:	may act as a signaling component of the Patched (Ptch) signaling pathway [RGD, Feb 2006]