

## Product datasheet for **RN211598**

### **Smad6 (NM\_001109002) Rat Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Smad6 (NM_001109002) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Smad6
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >RN211598 representing NM\_001109002  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGTT**CAGGTCTAAACGCTCGGGCTGGTGC**GGCGACTTTGGCGAAGTCGTGTGGTCCCTGATCGGGAGG  
 AAGGCAGCGGGCGCGGCTGTGGTGGCGACGAGGATGGGAGCCTGGGCAGCCGAGCTGAGCCTGCCCGCG  
 GGCACGAGAGGGCGGAGGTTGCGGCCGCTCCGAAGTCCGCTCGGTAGCCCGCGGCGGCTCCGGGACCGG  
 GTGGGACCGCGAGGCGCCCTGATCGCGGGCAGGCGCCGCGCACAGGGGGCCCCCGAGGCCCGTGTGCG  
 AGCCGGGGGCCGAGCTGGGGCTCCCCGCTGGATGTGGTGGAGCCTGGAGGCCCGGGCTGGCTGCCTGA  
 GAGTACTGCGAGACGGTACTTGTGTCTTCTCCGAGCGGGACGCTGCAGGCGGCCCGGGACTCT  
 GGGCATCCCCAAGCCAGGCAGTCCCGGAGCCGAGGAGGGCGGGCCCTCGGAGTCGGAAGCCCGCT  
 CGCGGTGCTGCTTCTGGAGCAGGAGCTCAAGACAGTCACGTA**CTCGT**GCTCAAGCGGCTCAAGGAGCG  
 TTCGCTGGACACACTGTTGGAGGCTGTAGAGTCCGAGGCGGGCTGCCGGCGGGTGCCTGCTGGTGCCG  
 CGCGCCGACTCCGCTCTGGGCGGCCAGCCCGCGCCACCGCAGCTGCTGCTCGGTGCCTGTTCCGCTGGC  
 CAGACCTGCAGCACGCAGTGGAGCTGAAACCCCTGTGCGGCTGCCACAGCTTTGCCGCCCGCGCTGACGG  
 GCCACGGTGTGTTGCAACCCCTACCACTTCAGCCGGCTCTGCGGGCCAGAATCACCGCCGCCCCCTAT  
 TCTCGGCTGTCTCCTCTGACCAGCACAAAGCCACTGGATCTGTCCGATTCTACATTGTCTTACACTGAAA  
 CCGAGGCCACCAACTCCCTCATCACTGCTCCGGTGAATTCTCAGATGCCAGCATGTCTCCAGATGCCAC  
 CAAGCCAAGCCACTGGTGCAGCGTGGCATACTGGGAGCACCGGACACGCGTGGGCCGCTCTATGCGGTG  
 TATGACCAGGCTGTGAGCATCTTCTACGACCTACCTCAGGGCAGCGGCTTCTGCCTGGCCAGCTCAACC  
 TGGAGCAGCGCAGTGAGTCGGTGCGGCGCACAGGAGCAAGATCGGTTTTGGCATCCTGCTCAGCAAGGA  
 GCCCGATGGCGTGTGGGCTACAACCGGGCGAGCACCCCATCTTCGTCAACTCCCCGACGCTGGATGCG  
 CCCGGAGGCCGCGCCCTGGTCTGCGCAAGGTGCCACCGGGCTACTCCATCAAGGTGTTGACTTTGAGC  
 GCTCAGGGCTGCTGCAGCACGCAGCGCGCTCATGGGCCCTA**TGA**

AG**CGGACCG**ACGCGTACGCGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC  
 TGGATTACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-RsrII

**ACCN:** NM\_001109002

**Insert Size:** 1377 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\\_001109002.2](#), [NP\\_001102472.1](#)

RefSeq Size: 1377 bp  
RefSeq ORF: 1377 bp  
Locus ID: 367100  
Cytogenetics: 8q24