

Product datasheet for **RN205371**

Smad1 (NM_013130) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Smad1 (NM_013130) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Smad1
Synonyms:	Madh1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN205371 representing NM_013130
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGAATGTGACCAGCTTGTTTTCATTACACAAGCCAGCTGTGAAGAGACTCCTTGGTGGAACAGGGCG
 ACGAAGAAGAGAAATGGGCGGAGAAGGCTGTGGACGCTTTGGTGAAGAACTGAAGAAGAAGAAAGGGGC
 CATGGAAGAGCTGGAGAAGGCCCTGAGCTGCCCGGGCAGCCAGTAAGTGTGTACCATTCCTCGCTCC
 CTGGATGGCAGGTTGCAGGTGTCCACCGGAAGGGACTGCCTCATGTATTATTGCCGCGTGTGGCGCT
 GGCCCGACCTCCAGAGCCATCATGAAGTAAAGCCTCTGGAATGCTGCGAGTTCCCATTTGGTTCCAAGCA
 GAAGGAAGTCTGCATCAATCCCTACCCTATAAGCGAGTGGAGAGCCCCGTTCTCCACCGGTGTGGTT
 CCGAGGCACAGCGAGTACAACCTCAGCACAGCCTTCTGGCTCAGTTCGAAACCTGGGACAAAATGAGC
 CCCACATGCCACTGAATGCCAGTTCCTCCGACTCCTCCAGCAGCCACACAGCCACCCGTTCCCCAGTC
 CCCAACAGCAGTACCCCAACTCTCTGGCAGCAGCAGCAGCACCTACCCTCACTCCCCGACCAGCTCA
 GACCCGGGAGCCCTTTTCAGATGCCAGCCGACACACCCCGCCTGCTTACCTGCCTCCTGAAGACCCCA
 TGGCCAGGATGGCTCTCAGCCTATGGACACGAACATGACGAACATGACGGCACCGACACTGCCCGCGGA
 GATCAATAGAGGAGATGTTCAAGCAGTTGCTTACGAGGAACAAAACACTGGTGTCTATTGTGTACTAT
 GAGCTCAACAACCGTGTGGGCGAAGCGTTCATGCCTCCTCCACCGAGCTGTTGGTGGATGGTTTACCCG
 ATCCTTCCAACAATAAGAACCGATTCTGCCTGGGCTGTCTCCAATGTTAACCGGAACCTCACTATTGA
 AAATACCAGGGCAGACATCGGAAAGGAGTCCACCTTTATTACGTCGGAGGAGAGGTGTATGCGGAGTGC
 CTCAGTGACAGCAGCATCTTCGTGCAGAGTCGGAAGTCAACTACCACCATGGCTTTCATCCACACCGG
 TCTGCAAGATCCCAGCGGGTGCAGCTTGAAAATCTTCAACAACCAAGAGTTCGCTCAGCTACTGGCGCA
 GTCTGTGAACCATGGGTTTCGAGACAGTGTGAAGTCACTACCAAAAATGTGCACTATTGCAATGAGCTTCGTG
 AAGGGCTGGGAGCGGAGTACCACCGCAGGATGTCACTAGCACCCCTGCTGGATTGAGATACACCCGC
 ATGGCCCTCTCCAGTGGTGGATAAAGTCTTACCAGATGGGTTGCGCCCAACCCCTATTTCGTCGGT
 GTCTTAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_013130

Insert Size: 1407 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_013130.2](#), [NP_037262.2](#)
RefSeq Size: 3010 bp
RefSeq ORF: 1407 bp
Locus ID: 25671
Cytogenetics: 19q11
Gene Summary: a transcriptional activator; activated by bone morphogenetic protein 4 (BMP4) [RGD, Feb 2006]