

## Product datasheet for **RN206804**

### Smad9 (NM\_138872) Rat Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Smad9 (NM\_138872) Rat Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Smad9  
**Synonyms:** Madh9; Smad8  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >RN206804 representing NM\_138872  
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGCACCCAGCACCCCCATCAGCTCCCTTTCTCCTTCACCAGCCCCGAGTGAAGAGGCTGCTGGGCT  
GGAAGCAGGGAGATGAAGAGGAGAAGTGGGCAGAGAAGGCAGTGGACTCTTTGGTGAAGAAGTTAAAGAA  
AAAGAAAGGCGCCATGGATGAACTGGAGAGGGCGCTGAGCTGCCCGGGCCAGCCTAGCAAGTGCCTTACC  
ATTCCACGCTCCCTGGATGGACGCTCCAGGTGTCCACCAGGAAGGGGCTGCCCATGTCATCTACTGCC  
GCGTGTGGCGCTGGCCAGATCTGCAATCCCATCATGAGCTGAAGCCCTTGAATGCTGCGAGTTCCTCGTT  
TGGCTCTAAGCAGAAGGAGGTCTGCATCAACCCATACCATTACCGCAGAGTGGAGACCCAGTTCTGCCT  
CCAGTGTGTTACCAAGACACAGCGAGTACAACCTCAGCTCAGCCTCCTGGCCAAGTTCGGAAGTGCCT  
CGCTGCACAGCGAACCGCTCATGCCGACAACGCCACCTACCCTGACTCTTTCCAGCAGTCTCTCGGTCC  
CGCACCCGCCCTCCTCGCCAGGACAGTGTTCGCGAGTCTCCATGCCACCAGCTACCCGAGTCCCC  
GGAAGTCTTCCGAGTCAGACAGTCTTATCAACACTCAGACTCCGGCCAGTTTGTACGAGGAGCCCC  
TGCACTGGTGCTCTGTTGCCTACTACGAACGAACAACCGGGTCGGAGAGACTTTCCAGGCATCTCCCG  
GAGTGTGCTCATAGATGGCTTACAGACCCTCCAATAACAGGAATAGTTCTGTCTTGGGCTTCTTCA  
AATGTAACAGAAATTCGACGATAGAAAACACCAGAAGGCACATTGAAAAGGGTGTGCAATTTGACTACG  
TTGGGGCGAGGTGTACGCGGAGTGCCTGAGCGACAGCAGCATCTTTGTCCAGAGCCGGAAGTCAACTA  
CCAGCACGGCTTCCACCCGGCCACTGTCTGCAAGATCCCCAGTGGCTGCAGCCTCAAGGTCTTCAACAAC  
CAGCTCTTCGCCAGCTGCTCGCCAGCTGCTCGCCAGTCAAGTGCACCACGGCTTTGAAGTTGTCTATG  
AACTGACGAAGATGTGCACGATTCGGATGAGCTTTGTGAAGGGCTGGGGAGCCGAGTATCATCGCCAGGA  
TGTCACAAGCACCCCTGCTGGATTGAGATTCATCTTCATGGACCACTGCAGTGGTTGGACAAGGTGCTA  
ACTCAGATGGGCTCCCCACACAACCTATTTCTCAGTGTCT**TAA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



<b>Restriction Sites:</b>	Sgfl-Mlul
<b>ACCN:</b>	NM_138872
<b>Insert Size:</b>	1305 bp
<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u><a href="#">NM_138872.1</a></u> , <u><a href="#">NP_620227.1</a></u>
<b>RefSeq Size:</b>	1611 bp
<b>RefSeq ORF:</b>	1305 bp
<b>Locus ID:</b>	85435
<b>UniProt ID:</b>	<u><a href="#">O54835</a></u>
<b>Cytogenetics:</b>	2q26
<b>Gene Summary:</b>	transcriptional activator; acts as an intracellular mediator of transforming growth factor beta superfamily signalling [RGD, Feb 2006]