

## Product datasheet for RN201118

### Smad3 (NM\_013095) Rat Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Smad3 (NM_013095) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Smad3
Synonyms:	mad3; Madh3; Smad 3
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>RN201118 representing NM_013095 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGTCGTCACCTCTGCCCTTACCCCCCGATCGTGAAGCGCCTGCTGGGCTGGAAGAAGGGCGAGCAGA  
ACGGGCAGGAGGAGAAGTGGTGCAGAGAAGCGGTCAAGAGCTTGGTGAAGAAGCTCAAGAAGACGGGGCA  
GTTGGACGAGCTGGAGAAGGCCATCACACGCAGAACGTGAACACCAAGTGCATTACCATCCCCAGGTCA  
CTGGATGGCCGGCTGCAGGTATCCCATCGGAAGGGCTCCCCATGTCATCTACTGCCGCTTGTGGCGGT  
GGCCCCACCTGCACAGCCACCATGAGTTACGGGCCATGGAGCTCTGTGAGTTCGCCTTCAACATGAAGAA  
GGATGAAGTGTGTAAATCCTTACCACTATCAGAGAGTAGAGACACCAAGTGCATCTCCAGTGTGGT  
CCACGCCACACCGAGATCCCGCCGAGTCCCCCTCTGGATGACTACAGCCATTCCATCCCCGAGAACA  
CTAACTCCCCGCTGGCATTGAACCCAGAGCAATATCCAGAAACCCACCTCTGGCTACCTGAGTGA  
AGATGGAGAACTAGCGACCACAGATGAACCACAGCATGGACGCAGGCTCTCCAAACCTCTCCCGAAT  
CCGATGTCCCAGCACACAATAACTTGGACCTACAGCCAGTCCCTACTGTGAGCCGGCTTTTGGTGTCT  
CCATCTCTACTACGAGCTGAACCAGCGAGTTGGGGAGACATCCAGCTTACAGCCGTCATGACAGT  
AGATGGCTTCACTGATCCCTCCAATTGAGAGCGCTTCTGTCTGGGCTGCTGTCCAATGTTAACCGAAT  
GCAGCCGTGGAGCTTACAAGCGGCACATTGGGAGGGGTGTGCGCTCTACTACATTGGAGGGGAGGTCT  
TTGCAGAGTGCCTCAGTGACAGTGTATTTTCGTCAGTCTCCAACTGCAACCAGCGCTATGGCTGGCA  
CCCTGCCACTGTCTGCAAGATACCCCCAGGCTGCAACCTGAAGATCTTCAACAACCAGGAATTTGCTGCC  
CTCCTAGCTCAGTCTGTCAACCAGGGCTTTGAGGCTGTCTACCAGTTGACTCGCATGTGCACCATCCGCA  
TGAGCTTCGTCAAAGGCTGGGGAGCCGAGTACAGGAGACAGACAGTGACCAGCACCCCTGCTGGATCGA  
GCTACACCTGAATGGCCCTTGCAGTGGCTTGACAAGTCTCACCCAGATGGGTTCCCCAGCATCCG  
TGTTCCAGCGTGTCT**TAG**

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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<b>Restriction Sites:</b>	Sgfl-Mlul
<b>ACCN:</b>	NM_013095
<b>Insert Size:</b>	1278 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_013095.3</a></u> , <u><a href="#">NP_037227.1</a></u>
<b>RefSeq Size:</b>	5037 bp
<b>RefSeq ORF:</b>	1278 bp
<b>Locus ID:</b>	25631
<b>UniProt ID:</b>	<u><a href="#">P84025</a></u>
<b>Cytogenetics:</b>	8q24
<b>Gene Summary:</b>	transcription factor; important component of the TGF-beta signaling pathway [RGD, Feb 2006]