

Product datasheet for **SC323084**

SMAD9 (NM_001127217) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SMAD9 (NM_001127217) Human Untagged Clone
Tag:	Tag Free
Symbol:	SMAD9
Synonyms:	MADH6; MADH9; PPH2; SMAD8; SMAD8/9; SMAD8A; SMAD8B
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene ORF sequence for NM_001127217 edited
 ATGCACTCCACCACCCCATCAGCTCCCTCTTCTCCTTACCAGCCCCGAGTGAAGAGA
 CTGCTAGGCTGGAAGCAAGGAGATGAAGAGGAAAAGTGGGCAGAGAAGGCAGTGGACTCT
 CTAGTGAAGAAGTTAAAGAAGAAGAAGGGAGCCATGGACGAGCTGGAGAGGGCTCTCAGC
 TGCCCGGGCAGCCAGCAAATGCGTCACGATTCCCCGCTCCCTGGACGGCGGGTGCAG
 GTGTCCCACCGAAGGGCCTGCCCATGTGATTTACTGTCGCGTGTGGCCTGGCCGGAT
 CTGCAGTCCCACCAGAGCTGAAGCCGCTGGAGTGTGTGAGTTCCCATTTGGCTCCAAG
 CAGAAAGAAGTGTGCATTAACCCCTTACCACTACCGCCGGTGGAGACTCCAGTACTGCCT
 CCTGTGCTCGTGCCAAGACACAGTGAATATAACCCCAAGCTCAGCCTCCTGGCCAAGTTC
 CGCAGCGCCTCCCTGCACAGTGAGCCACTCATGCCACACAACGCCACCTATCCTGACTCT
 TTCCAGCAGCCTCCGTGCTCTGCACTCCCTCCCTCACCAGCCAGCGTTCTCCAGTCC
 CCGTGCACGGCCAGCTACCCTCACTCCCCAGGAAGTCTTCTGAGCCAGAGAGTCCCTAT
 CAACACTCAGTTGACACACCACCCTGCCTTATCATGCCACAGAAGCCTCTGAGACCCAG
 AGTGGCCAACCTGTAGATGCCACAGCTGATAGACATGTAGTGTATCGATACCAATGGA
 GACTTTGACAGTTTGTACGAGGAGCCCCAGCACTGGTGTGCTCGGTCGCTACTATGAA
 CTGAACAACCGAGTTGGGGAGACATCCAGGCTTCCCTCCGAAGTGTGCTCATAGATGGG
 TTCACCGACCCTTCAAATAACAGGAACAGATTCTGTCTTGACTTCTTTCTAATGTAAC
 AGAAACTCAACGATAGAAAATACCAGGAGACATATAGGAAAGGGTGTGCACTTGTACTAC
 GTCGGGGGAGAGGTGTATGCCGAGTGCGTGAGTGACAGCAGCATCTTTGTGCAGAGCCGG
 AACTGCAACTATCAACACGGCTTCCACCCAGCTACCGTCTGCAAGATCCCCAGCGCTGC
 AGCCTCAAGTCTTCAACAACCAGCTCTTCGCTCAGCTCCTGGCCAGTCAAGTACCAC
 GGCTTTGAAGTGTGATGAACTGACCAAGATGTGACTATCCGGATGAGTTTGTAAAG
 GGTTGGGGTGTGAGTATCATCGCCAGGATGTCACCAGCACCCCTGCTGGATTGAGATT
 CATCTTCATGGGCCACTGCAGTGGCTGGACAAAGTTCTGACTCAGATGGGCTCTCCACAT
 AACCCATTTCTCAGTGTCTTAA

Restriction Sites: Please inquire



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ACCN:	NM_001127217
Insert Size:	1600 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).
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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:	<u>NM_001127217.1</u> , <u>NP_001120689.1</u>
RefSeq Size:	2365 bp
RefSeq ORF:	1404 bp
Locus ID:	4093
UniProt ID:	<u>O15198</u>
Cytogenetics:	13q13.3
Protein Families:	ES Cell Differentiation/IPS, Transcription Factors
Protein Pathways:	TGF-beta signaling pathway
Gene Summary:	<p>The protein encoded by this gene is a member of the SMAD family, which transduces signals from TGF-beta family members. The encoded protein is activated by bone morphogenetic proteins and interacts with SMAD4. Two transcript variants encoding different isoforms have been found for this gene.[provided by RefSeq, Jan 2010]</p> <p>Transcript Variant: This variant (a) represents the longer transcript and encodes the longer isoform (a). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>