

## Product datasheet for **SC213440**

### SMAD1 (NM\_001003688) Human 3' UTR Clone

#### Product data:

**Product Type:** 3' UTR Clones  
**Product Name:** SMAD1 (NM\_001003688) Human 3' UTR Clone  
**Vector:** pMirTarget (PS100062)  
**Symbol:** SMAD1  
**Synonyms:** BSP-1; BSP1; JV4-1; JV41; MADH1; MADR1  
**ACCN:** NM\_001003688  
**Insert Size:** 1272 bp  
**Insert Sequence:** >SC213440 3'UTR clone of NM\_001003688  
The sequence shown below is from the reference sequence of NM\_001003688. The complete sequence of this clone may contain minor differences, such as SNPs.  
**Blue**=Stop Codon **Red**=Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
CCTCATAATCCTATTTTCATCTGTATCTTAATGGCCCCAGGCATCTGCCTCTGAAAACTATTGAGCCT
TGCATGTACTTGAAGGATGGATGAGTCAGACACGATTGAGAAGTACAAAGGAGCCTTGATAATACTTG
ACCTCTGTGACCAACTGTTGGATTGAGAAATTTAAACAAAAAAAAAAAAAAAAACACACACACCTTGGTAA
CATACTGTTGATATCAAGAACCTGTTTAGTTTACATTGTAACATTCTATTGTAATACTAACTAAATTC
AGACTTTTAGCAGGACTTTGTGTACAGTTAAAGGAGAGATGGCCAAGCCAGGGACAAATTGTCTATTAG
AAAACGGTCCTAAGAGATTCTTTGGTGTGGCACTTTAAGGTTCATCGTTGGGCAGAAAGTTTAGCATT
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AATATTTTAAACTATTTGTTTAGCGATGGTTTGTTCGTTAAGTAAAGGTTAATCTTGATGATATAC
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GCTAAATATGTATGTACAGAGTATTTGGAAGTTAAGAATTGATTAGACTAGTGAATTTAGGAGTATTG
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GCTTGAATTTAATAAGCAGTTTTTACGGAGTTTACAGTACAGAAATAGGCTTTAATTTTCAAGTGAATT
TTTTGCCAAACTTAGTAAGTCTGTTAAATTTGGAGGATTTAAGAACAATCCAGTTTGAATTCATTT
CAAACCTTTTTAAATTTTTGTACTATGTTGGTTTTATTTTCTTCTGTTAATCTTTTGTATTCACCT
ATGCTCTCGTACATTGAGTACTTTTATCCAAAAGTGGGTTTTCTCTACTGGAATTTTCAATAAA
CCTGTCATTATTGCTTACTTTGATTAATAAA
ACGCGTAAAGCGCCGCGCATCTAGATTGAAAGAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
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**Restriction Sites:** Sgfl-Mlul



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<b>OTI Disclaimer:</b>	Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences , e.g., single nucleotide polymorphisms (SNPs).
<b>Components:</b>	The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.
<b>RefSeq:</b>	<a href="#">NM_001003688.1</a>
<b>Summary:</b>	The protein encoded by this gene belongs to the SMAD, a family of proteins similar to the gene products of the Drosophila gene 'mothers against decapentaplegic' (Mad) and the C. elegans gene Sma. SMAD proteins are signal transducers and transcriptional modulators that mediate multiple signaling pathways. This protein mediates the signals of the bone morphogenetic proteins (BMPs), which are involved in a range of biological activities including cell growth, apoptosis, morphogenesis, development and immune responses. In response to BMP ligands, this protein can be phosphorylated and activated by the BMP receptor kinase. The phosphorylated form of this protein forms a complex with SMAD4, which is important for its function in the transcription regulation. This protein is a target for SMAD-specific E3 ubiquitin ligases, such as SMURF1 and SMURF2, and undergoes ubiquitination and proteasome-mediated degradation. Alternatively spliced transcript variants encoding the same protein have been observed. [provided by RefSeq, Jul 2008]
<b>Locus ID:</b>	4086
<b>MW:</b>	49.9