

Product datasheet for **SC213442**

SMAD1 (NM_005900) Human 3' UTR Clone

Product data:

Product Type: 3' UTR Clones
Product Name: SMAD1 (NM_005900) Human 3' UTR Clone
Vector: pMirTarget (PS100062)
Symbol: SMAD1
Synonyms: BSP-1; BSP1; JV4-1; JV41; MADH1; MADR1
ACCN: NM_005900
Insert Size: 1272 bp
Insert Sequence: >SC213442 3'UTR clone of NM_005900

The sequence shown below is from the reference sequence of NM_005900. 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
TGCACTGTACTTGAAGGATGGATGAGTCAGACACGATTGAGAAGTACAAAGGAGCCTTGATAATACTTG
ACCTCTGTGACCAACTGTTGGATTGAGAAATTTAAACAAAAAAAAAAAAAAAAACACACACACCTTGGTAA
CATACTGTTGATATCAAGAACCTGTTTGTAGTTTACATTGTAACATTCTATTGTAATACTAACTAAATTC
AGACTTTTAGCAGGACTTTGTGTACAGTTAAAGGAGAGATGGCCAAGCCAGGGACAAATTGTCTATTAG
AAAACGGTCCTAAGAGATTCTTTGGTGTGGCACTTTAAGGTTCATCGTTGGGCAGAAAGTTTAGCATT
ATAGTTGTTCTGAAACGTGTTTATCAGGTTTAGAGCCCATGTTGAGTCTCTTTTCATGGGTTTTCAT
AATATTTTAAACTATTTGTTTAGCGATGGTTTGTTCGTTAAGTAAAGGTTAATCTTGATGATATAC
ATAATAATCTTTCTAAAATTGTATGCTGACCATACTTGTGTGAGAAATGCTAGGCATATGCTTTTT
GCTAAATATGTATGTACAGAGTATTTGGAAGTTAAGAATTGATTAGACTAGTGAATTTAGGAGTATTTG
AGGTGGGTGGGGGAAGAGGGAAATGACAACTGCAAAATGTAGACTATACTGTAATAATTCAGTTTGTG
CTTTAAAGAAACAACTGATACCTGAATTTTGCTGTGTTCCATTTTTTAGAGATTTTTATCATTTTTT
TCTCTCTCGGCATTCTTTTTCTCATACTCTTCAAAAAGCAGTTCTGCAGCTGGTTAATTCATGTAAT
GTGAGAGCAAAATGAATAATCTCTGCTATTCTGAAATGGCTACATGTTTCAATACAGTTATATGGAGT
GCTTGAATTTAATAAGCAGTTTTTACGGAGTTTACAGTACAGAAATAGGCTTTAATTTTCAAGTGAATT
TTTTGCCAAACTTAGTAAGTCTGTTAAATTTGGAGGATTTAAGAACAATCCAGTTTGAATTCATTT
CAAACCTTTTTAAATTTTTGTACTATGTTTGGTTTTATTTTCTTCTGTTAATCTTTTGTATTCACCT
ATGCTCTCGTACATTGAGTACTTTTATCCAAAAGTGGGTTTTCTCTACTGGAATTTTCAATAAA
CCTGTCATTATTGCTTACTTTGATTAATAAA
ACGCGTAAGCGGCCGCGCATCTAGATTGAAAGAAATGACCGACCAAGCGACGCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCCTTCTATGAAAGG
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Restriction Sites: SgfI-MluI



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OTI Disclaimer:	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).
Components:	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.
RefSeq:	<u>NM_005900.3</u>
Summary:	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]
Locus ID:	4086
MW:	49.9