

## Recombinant Human SMAD1, GST-tagged

Cat. No. SMAD1-2799H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human SMAD1 protein, fused to GST-tag, was expressed in E.coli and purified by GSH-sepharose.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	19-229aa
<b>Storage</b>	The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.
<b>Storage Buffer</b>	1M PBS (58mM Na <sub>2</sub> HPO <sub>4</sub> , 17mM NaH <sub>2</sub> PO <sub>4</sub> , 68mM NaCl, pH8. ) added with 100mM GSH and 1% Triton X-100, 15% glycerol.

### GENE INFORMATION

<b>Gene Name</b>	SMAD1 SMAD family member 1 [ Homo sapiens ]
<b>Official Symbol</b>	SMAD1
<b>Synonyms</b>	SMAD1; SMAD family member 1; MAD, mothers against decapentaplegic homolog 1 (Drosophila) , MADH1, SMAD, mothers against DPP homolog 1 (Drosophila); mothers against decapentaplegic homolog 1; JV4 1; MADR1; MAD homolog 1; Mad-related protein 1; TGF-beta signaling protein 1; mothers against DPP homolog 1;

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SMAD, mothers against DPP homolog 1; MAD, mothers against decapentaplegic homolog 1; transforming growth factor-beta signaling protein 1; transforming growth factor-beta-signaling protein 1; BSP1; JV41; BSP-1; JV4-1; MADH1;

**Gene ID** [4086](#)

**mRNA Refseq** [NM\\_001003688](#)

**Protein Refseq** [NP\\_001003688](#)

**MIM** [601595](#)

**UniProt ID** [Q15797](#)

**Chromosome Location** 4q31.21

**Pathway** ALK1 signaling events, organism-specific biosystem; ALK2 signaling events, organism-specific biosystem; BMP receptor signaling, organism-specific biosystem; Delta-Notch Signaling Pathway, organism-specific biosystem; ErbB1 downstream signaling, organism-s

**Function** I-SMAD binding; RNA polymerase II core promoter sequence-specific DNA binding; co-SMAD binding; identical protein binding; protein binding; protein kinase binding; receptor signaling protein activity; sequence-specific DNA binding transcription factor act

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