

## Recombinant Human SMAD5, GST-tagged

Cat. No. SMAD5-2800H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human SMAD5 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>	C-term-305aa
<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>	SMAD5 SMAD family member 5 [ Homo sapiens ]
<b>Official Symbol</b>	SMAD5
<b>Synonyms</b>	SMAD5; SMAD family member 5; MAD, mothers against decapentaplegic homolog 5 (Drosophila) , MADH5, SMAD, mothers against DPP homolog 5 (Drosophila); mothers against decapentaplegic homolog 5; Dwfc; JV5 1; SMA- and MAD-related protein 5; SMAD, mothers against DPP homolog 5; MAD, mothers against

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decapentaplegic homolog 5; mothers against decapentaplegic, drosophila, homolog of, 5; DWFC; JV5-1; MADH5; DKFZp781C1895; DKFZp781O1323;

**Gene ID** 4090

**mRNA Refseq** NM\_001001419

**Protein Refseq** NP\_001001419

**MIM** 603110

**UniProt ID** Q99717

**Chromosome Location** 5q31

**Pathway**

ALK1 signaling events, organism-specific biosystem; ALK2 signaling events, organism-specific biosystem; BMP receptor signaling, organism-specific biosystem; Id Signaling Pathway, organism-specific biosystem; Signal Transduction, organism-specific biosyste

**Function**

protein binding; receptor signaling protein activity; sequence-specific DNA binding transcription factor activity; transforming growth factor beta receptor, pathway-specific cytoplasmic mediator activity; ubiquitin protein ligase binding;

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