

Recombinant Human SMAD5, GST-tagged

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

SPECIFICATION

Product Overview	Recombinant Human SMAD5 protein, fused to GST-tag, was expressed in E.coli and purified by GSH-sepharose.
Species	Human
Source	E.coli
ProteinLength	C-term-305aa
Storage	The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.
Storage Buffer	1M PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH8.) added with 100mM GSH and 1% Triton X-100, 15% glycerol.

GENE INFORMATION

Gene Name	SMAD5 SMAD family member 5 [Homo sapiens]
Official Symbol	SMAD5
Synonyms	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;