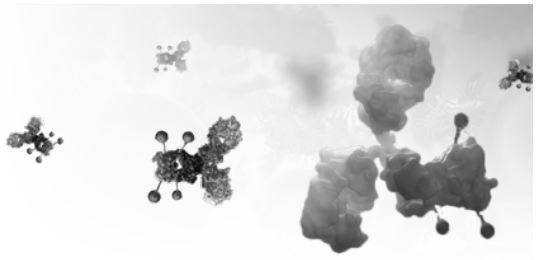

Human SMAD3 peptide (DAG-P1986)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	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 functions as a transcriptional modulator activated by transforming growth factor-beta and is thought to play a role in the regulation of carcinogenesis. [provided by RefSeq, Apr 2009]
Purity	70 - 90% by HPLC.
Conjugate	Unconjugated
Sequence Similarities	Belongs to the dwarfin/SMAD family.Contains 1 MH1 (MAD homology 1) domain.Contains 1 MH2 (MAD homology 2) domain.
Format	Liquid
Preservative	None
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles. Information available upon request.

GENE INFORMATION

Gene Name	SMAD3 SMAD family member 3 [Homo sapiens (human)]
Official Symbol	SMAD3
Synonyms	SMAD3; SMAD family member 3; LDS3; LDS1C; MADH3; JV15-2; HSPC193; HsT17436; mothers against decapentaplegic homolog 3; mad3; hMAD-3; hSMAD3; MAD homolog 3; mad homolog JV15-2; mad protein homolog; mothers against DPP homolog 3; SMA- and MAD-related protein 3; SMAD, mothers against DPP homolog 3; MAD, mothers against

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	decapentaplegic homolog 3;
Entrez Gene ID	4088
mRNA Refseq	NM_001145102.1
Protein Refseq	NP_001138574.1
UniProt ID	P84022
Chromosome Location	15q22.33
Pathway	AGE/RAGE pathway, organism-specific biosystem; Adherens junction, organism-specific biosystem; Adherens junction, conserved biosystem; Adipogenesis, organism-specific biosystem; Alpha6-Beta4 Integrin Signaling Pathway, organism-specific biosystem; Androgen receptor signaling pathway, organism-specific biosystem; Cell cycle, organism-specific biosystem; Cell cycle, organism-specific biosystem; Cell cycle, conserved biosystem; Chagas disease (American trypanosomiasis), organism-specific biosystem;
Function	R-SMAD binding; RNA polymerase II activating transcription factor binding; beta-catenin binding; chromatin DNA binding; co-SMAD binding; collagen binding; core promoter proximal region sequence-specific DNA binding; double-stranded DNA binding; phosphatas

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