

Recombinant Human SMAD9 cell lysate

Cat. No. SMAD9-1645HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Description	SMAD family members, such as SMAD9, transduce signals from members of the TGF-beta (see TGFB1; MIM 190180) superfamily, which regulate growth, differentiation, apoptosis, and development (Nishita et al., 1999 [PubMed 10583507]).
Size	100 ul
Storage Buffer	1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)
Applications	Western Blot;

GENE INFORMATION

Gene Name	SMAD9 SMAD family member 9 [Homo sapiens]
Official Symbol	SMAD9
Synonyms	SMAD9; SMAD family member 9; MAD, mothers against decapentaplegic homolog 9 (Drosophila) , MADH6, MADH9, SMAD, mothers against DPP homolog 9 (Drosophila); mothers against decapentaplegic homolog 9; MAD homolog 9; SMAD, mothers against DPP homolog 9; Mothers against decapentaplegic, drosophila, homolog of, 9; MADH6; MADH9; SMAD8; SMAD8A; SMAD8B;

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Gene ID	4093
mRNA Refseq	NM_001127217
Protein Refseq	NP_001120689
MIM	603295
UniProt ID	O15198
Chromosome Location	13q12-q14
Pathway	ALK1 signaling events, organism-specific biosystem; ALK2 signaling events, organism-specific biosystem; BMP receptor signaling, organism-specific biosystem; Signal Transduction, organism-specific biosystem; Signaling by BMP, organism-specific biosystem; TGF Beta Signaling Pathway, organism-specific biosystem; TGF-beta signaling pathway, organism-specific biosystem;
Function	sequence-specific DNA binding transcription factor activity; transforming growth factor beta receptor, pathway-specific cytoplasmic mediator activity;