

Recombinant Human SMAD6 cell lysate

Cat. No. SMAD6-1644HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Description	The protein encoded by this gene belongs to the SMAD family of proteins, which are related to Drosophila mothers against decapentaplegic (Mad) and C. elegans Sma. SMAD proteins are signal transducers and transcriptional modulators that mediate multiple signaling pathways. This protein functions in the negative regulation of BMP and TGF-beta/activin-signalling. Multiple transcript variants encoding different isoforms have been found for this gene
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	SMAD6 SMAD family member 6 [Homo sapiens]
Official Symbol	SMAD6
Synonyms	SMAD6; SMAD family member 6; MAD, mothers against decapentaplegic homolog 6 (Drosophila) , MADH6, MADH7, SMAD, mothers against DPP homolog 6

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

	(Drosophila); mothers against decapentaplegic homolog 6; HsT17432; SMAD 6; hSMAD6; MAD homolog 6; mothers against DPP homolog 6; SMAD, mothers against DPP homolog 6; Mothers against decapentaplegic, drosophila, homolog of, 6; MADH6; MADH7;
Gene ID	4091
mRNA Refseq	NM_001142861
Protein Refseq	NP_001136333
MIM	602931
UniProt ID	O43541
Chromosome Location	15q21-q22
Pathway	BMP receptor signaling, organism-specific biosystem; Endocytosis, organism-specific biosystem; Endocytosis, conserved biosystem; Signal Transduction, organism-specific biosystem; Signaling by BMP, organism-specific biosystem; Signaling by TGF beta, organism-specific biosystem; TGF Beta Signaling Pathway, organism-specific biosystem;
Function	I-SMAD binding; R-SMAD binding; chromatin binding; co-SMAD binding; protein binding; sequence-specific DNA binding transcription factor activity; transcription regulatory region DNA binding; transforming growth factor beta receptor, inhibitory cytoplasmic mediator activity; transforming growth factor beta receptor, inhibitory cytoplasmic mediator activity; type I activin receptor binding; type I transforming growth factor beta receptor binding; ubiquitin protein ligase binding;