Recombinant Mouse Smad1 Protein, Myc/DDK-tagged

Cat. No. Smad1-5949M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length SMAD family member 1 (Smad1), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Transcriptional modulator activated by BMP (bone morphogenetic proteins) type 1 receptor kinase. SMAD1 is a receptor-regulated SMAD (R-SMAD). May play a role in the initiation and maintenance of spermatogenesis. SMAD1/OAZ1/PSMB4 complex mediates the degradation of the CREBBP/EP300 repressor SNIP1. May act synergistically with SMAD4 and YY1 in bone morphogenetic protein (BMP)-mediated cardiac-specific gene expression.
Molecular Mass	52.6 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade after receiving vials.
Concentration	>50 μg/mL as determined by microplate BCA method

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Storage Buffer	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

GENE INFORMATION

Gene Name	Smad1 SMAD family member 1 [Mus musculus (house mouse)]
Official Symbol	Smad1
Synonyms	SMAD1; MAD homolog 1 (Drosophila); mothers against decapentaplegic homolog 1; dwf-A; mMad1; Smad 1; dwarfin-A; SMAD family member 1; mad-related protein 1; mothers against DPP homolog 1; mothers-against-DPP-related 1; Mlp1; Madh1; Madr1; MusMLP; AI528653
Gene ID	17125
mRNA Refseq	NM_008539
Protein Refseq	NP_032565
UniProt ID	P70340

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