

Recombinant Mouse Smad9 Protein, Myc/DDK-tagged

Cat. No. Smad9-5955M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length SMAD family member 9 (Smad9), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	This gene encodes a member of a family of proteins that act as downstream effectors of the bone morphogenetic protein (BMP) signaling pathway. The encoded protein is phosphorylated by BMP receptors, which stimulates its binding to SMAD4 and translocation into the nucleus, where it functions as a regulator of transcription. Activity of this protein is important for embryonic development. Mutation of this gene results in defects in pulmonary vasculature.
Molecular Mass	48.4 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 [Smad9 SMAD family member 9 \[Mus musculus \(house mouse\) \]](#)

Official Symbol [Smad9](#)

Synonyms Smad9; SMAD family member 9; SMA; Madh; SMAD; MADH6; Madh8; Madh9; Smad8; mothers against decapentaplegic homolog 9; MAD homolog 9; mothers against DPP homolog 9; EC 2.4.1.117

Gene ID [55994](#)

mRNA Refseq [NM_019483](#)

Protein Refseq [NP_062356](#)

UniProt ID [Q9JIW5](#)

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