

## Recombinant Mouse Smad9 Protein, Myc/DDK-tagged

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

### SPECIFICATION

<b>Product Overview</b>	Purified recombinant protein of mouse full-length SMAD family member 9 (Smad9), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
<b>Species</b>	Mouse
<b>Source</b>	HEK293
<b>Description</b>	<p>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.</p>
<b>Molecular Mass</b>	48.4 kDa
<b>Purity</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining
<b>Stability</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>Storage</b>	Store at -80 centigrade after receiving vials.
<b>Concentration</b>	>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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