

Recombinant Mouse Smad6 Protein, Myc/DDK-tagged

Cat. No. Smad6-5953M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length SMAD family member 6 (Smad6), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Binds to regulatory elements in target promoter regions. May block the BMP-SMAD1 signaling pathway by competing with SMAD4 for receptor-activated SMAD1-binding. Acts as a mediator of TGF-beta and BMP antiinflammatory activity. Suppresses IL1R-TLR signaling through its direct interaction with PEL1, preventing NF-kappa-B activation, nuclear transport and NF-kappa-B-mediated expression of proinflammatory genes.
Molecular Mass	54.2 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 [Smad6 SMAD family member 6 \[Mus musculus \(house mouse\) \]](#)

Official Symbol [Smad6](#)

Synonyms SMAD6; MAD homolog 6 (Drosophila); mothers against decapentaplegic homolog 6; Smad 6; mad homolog 7; SMAD family member 6; mothers against DPP homolog 6; Madh6

Gene ID [17130](#)

mRNA Refseq [NM_008542](#)

Protein Refseq [NP_032568](#)

UniProt ID [O35182](#)

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