

Recombinant Human SMAD6 protein, His-tagged

Cat. No. SMAD6-7874H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human SMAD6 protein(30-180 aa), fused with N-terminal His tag, was expressed in E. coli.
Species	Human
Source	E. coli
ProteinLength	30-180 aa
Form	The purified protein was lyophilized from sterile phosphate-buffered saline (PBS: 58 mM Na ₂ HPO ₄ , 17 mM NaH ₂ PO ₄ , 68 mM NaCl, pH 7.4). Prior to lyophilization, 5% (w/v) trehalose and 5% (w/v) mannitol were incorporated as cryoprotective excipients. The protein was eluted with a buffer containing 300 mM imidazole.
AASequence	GGGGDEDGSLGSRAEPAPRAREGGGCGRSEVRPVAPRRPRDAVGQRGGAQGAGR RRRAGGPPRPMSEPGAGAGSSLLDVAEPGGPGWLPESDCETVTCCLFSERDAAG APRDASDPLAGAALEPAGGGRSREARSRLLLLEQELKTVTYSL
Purity	85%, by SDS-PAGE.
Storage	Store at 2-8°C for 1-2 weeks. Aliquot and store at -20°C to -80°C for up to 3 months, reconstitution with sterile water and addition of an equal volume of glycerol. Avoid repeat freeze-thaw cycles.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of

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0.25 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

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 (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;

mRNA Refseq [NM_001142861](#)

Protein Refseq [NP_001136333](#)

MIM [602931](#)

UniProt ID [O43541](#)

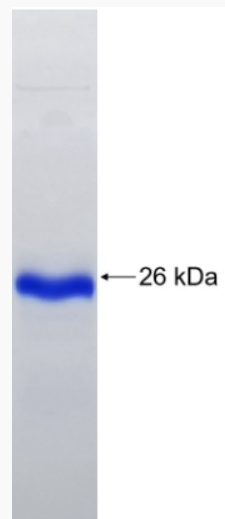
Gene ID [4091](#)

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SDS-PAGE



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