

Recombinant Human SMAD7 protein, His-tagged

Cat. No. SMAD7-561H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human SMAD7 protein(NP_001177750)(1-426 aa), fused with His tag, was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	1-426 aa
Form	The purified protein was Lyophilized from sterile PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH7.). 5 % trehalose and 5 % mannitol are added as protectants before lyophilization.
AA Sequence	MFRTKRSALVRRLWRSRAPGGEDEEEGAGGGGGGGELRGEGATDSRAHGAGGG GPGRAGCCLGKAVRGAKGHHHPHPPAAGAGAAGGAEADLKALTHSVLKKLKERQL ELLQAVESRGGTRTACLLPGRLCDRLGPGAPAGAQAQPPSSYSPLLLCKVFR WPDLRHSSEVKRLCCCESYGKINPELVCCNPHLSRLCELESPPPPYSRYPMDFLK PTADCPDAVPSSAETGGTNYLAPGGLSDSQLLLEPGDRSHWCVVAYWEEKTRVGR LYCVQEPSLDIFYDLPQGNQFCLGQLNSDNKSQLVQKVRKIGCGIQLTREVDGW VYNRSSYPIFIKSATLDNPDSRTLLVHKVFPGFSIKAFDYEKAYSLQRPNDHEFMQQP WTGFTVQISFVKGWGQCYTRQFISSCPCWLEVIFNSR
Purity	90%, by SDS-PAGE with Coomassie Brilliant Blue staining.
Storage	Short-term storage: Store at 2-8°C for (1-2 weeks).

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Long-term storage: Aliquot and store at -20°C to -80°C for up to 3 months, buffer containing 50% glycerol is recommended for reconstitution. Avoid repeat freeze-thaw cycles.

Reconstitution

Reconstitute at 0.25 µg/µl in 200 µl sterile water for short-term storage.
Reconstitution with 200 µl 50% glycerol solution is recommended for longer term storage.

GENE INFORMATION

Gene Name

SMAD7 SMAD family member 7 [Homo sapiens]

Official Symbol

SMAD7

Synonyms

SMAD7; SMAD family member 7; MAD, mothers against decapentaplegic homolog 7 (Drosophila) , MADH7, MADH8, SMAD, mothers against DPP homolog 7 (Drosophila); mothers against decapentaplegic homolog 7; hSMAD7; MAD homolog 8; mothers against DPP homolog 8; SMAD, mothers against DPP homolog 7; Mothers against decapentaplegic, drosophila, homolog of, 7; MAD (mothers against decapentaplegic, Drosophila) homolog 7; CRCS3; MADH7; MADH8; FLJ16482;

Gene ID

4092

mRNA Refseq

NM_001190821

Protein Refseq

NP_001177750

MIM

602932

UniProt ID

O15105

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SDS-PAGE

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