

Recombinant Mouse Smad5 protein(Thr2-Ser465), His&GST-tagged

Cat. No. Smad5-3245M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse SMAD5 (P97454) (Thr2-Ser465) was expressed in Insect Cells with a N-terminal polyhistidine tag followed by a GST tags.
Species	Mouse
Source	Insect Cells
ProteinLength	Thr2-Ser465
Form	Lyophilized from sterile 20mM Tris, 500mM NaCl, pH 8.0, 10% glycerol. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
Molecular Mass	The recombinant mouse SMAD5/GST chimera consists of 701 amino acids and has a calculated molecular mass of 79.9 kDa. The recombinant protein migrates as an approximately 75-88 kDa band in SDS-PAGE under reducing conditions.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method
Purity	> 90 % as determined by SDS-PAGE
Storage	Samples are stable for up to twelve months from date of receipt at -20°C to -80°C. Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

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Reconstitution It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

Gene Name [Smad5 MAD homolog 5 \(Drosophila\) \[Mus musculus \]](#)

Official Symbol [Smad5](#)

Synonyms SMAD5; MAD homolog 5 (Drosophila); mothers against decapentaplegic homolog 5; Smad 5; mSmad5; dwarfin-C; SMAD family member 5; mothers against DPP homolog 5; Dwf-C; Madh5; MusMLP; AI451355; 1110051M15Rik;

Gene ID [17129](#)

mRNA Refseq [NM_001164041](#)

Protein Refseq [NP_001157513](#)

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