Recombinant Mouse Smad5, His-GST tagged

Cat. No. Smad5-8679M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Smad5 (P97454) (Thr2-Ser465), fused with the N-terminal polyhistidine-tagged GST tag, was produced in Baculovirus-Insect cells.
Species	Mouse
Source	Insect Cells
ProteinLength	2-465 a.a.
Predicted N Terminal	Met
Form	Lyophilized from sterile 20mM Tris, 500mM NaCl, pH 8.0, 10% glycerolNormally 5 % - 8 % trehalose and mannitol 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	>95 % as determined by SDS-PAGE
Stability	Samples are stable for up to twelve months from date of receipt at -70oC.
Storage	Store it under sterile conditions at -20oC~-70oC. It is recommended that the protein

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	be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution. Centrifuge the vial at 4℃ before opening to recover the entire contents.

GENE INFORMATION

Gene Name	Smad5 MAD homolog 5 (Drosophila) [Mus musculus]
Official Symbol	Smad5
Gene ID	17129
mRNA Refseq	NM_001164041
Protein Refseq	NP_001157513

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