

Recombinant Mouse Smad5, Gly & Pro tagged

Cat. No. SMAD5-479M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Smad5 (P97454) (Thr2-Ser465), fused with two additional amino acids (Gly & Pro) at the N-terminus, was produced in Baculovirus-Insect cells.
Species	Mouse
Source	Insect Cells
ProteinLength	2-465 a.a.
Predicted N Terminal	Gly
Form	Lyophilized from sterile 20mM Tris, 500mM NaCl, 10% glycerol, pH8.0. Normally 5 % - 8 % trehalose and mannitol are added as protectants before lyophilization.
Molecular Mass	The recombinant mouse SMAD5 consists of 466 amino acids and predicts a molecular mass of 52.2 KDa. It migrates as an approximately 57 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
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°C 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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