

Recombinant Mouse Smad3, His-GST tagged

Cat. No. SMAD3-532M Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Smad3 (P84025) (Met1-Ser425), fused with the N-terminal polyhistidine-tagged GST tag, was produced in Baculovirus-Insect cells.
Species	Mouse
Source	Insect Cells
ProteinLength	1-425 a.a.
Predicted N Terminal	Met
Form	Lyophilized from sterile 20mM Tris, 500mM NaCl, 2mM GSH, 10% glycerol, pH 7.4. Normally 5 % - 8 % trehalose and mannitol are added as protectants before lyophilization.
Molecular Mass	The recombinant mouse SMAD3/GST chimera consists of 662 amino acids and has a calculated molecular mass of 75.9 kDa. The recombinant protein migrates as an approximately 75 kDa band in SDS-PAGE under reducing conditions.
Endotoxin	< 1.0 eu per µg of the protein as determined by the LAL method.
Purity	>85 % as determined by SDS-PAGE
Stability	Samples are stable for up to twelve months from date of receipt at -70oC.

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Storage Store it under sterile conditions at -20oC~-70oC. It is recommended that the protein 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 [Smad3 MAD homolog 3 \(Drosophila\) \[Mus musculus \]](#)

Official Symbol [Smad3](#)

Gene ID [17127](#)

mRNA Refseq [NM_016769](#)

Protein Refseq [NP_058049](#)

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