

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

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

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](#)

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA