

Datasheet for ABIN7320168
SMAD5 Protein (GST tag,His tag)[Go to Product page](#)

1 Image

Overview

Quantity:	100 µg
Target:	SMAD5
Origin:	Mouse
Source:	Baculovirus infected Insect Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SMAD5 protein is labelled with GST tag,His tag.

Product Details

Purpose:	Recombinant Mouse Smad5 Protein (His & GST Tag)
Sequence:	Thr2-Ser465
Characteristics:	A DNA sequence encoding the mouse SMAD5 (P97454) (Thr2-Ser465) was expressed with the N-terminal polyhistidine-tagged GST tag at the N-terminus.
Purity:	> 90 % as determined by SDS-PAGE
Endotoxin Level:	< 1.0 EU per µg of the protein as determined by the LAL method.

Target Details

Target:	SMAD5
Alternative Name:	Smad5 (SMAD5 Products)
Background:	Background: SMAD5 is a member of the SMAD family. Members of this family mediate signal transduction by the TGF-beta/activin/BMP-2/4 cytokine superfamily from receptor Ser/Thr protein kinases at the cell surface to the nucleus. SMAD5 is involved in the TGF-beta signaling

Target Details

pathway that results in an inhibition of the proliferation of hematopoietic progenitor cells. It is also involved in cell signalling and modulates signals of bone morphogenetic proteins (BMP's). The binding of ligands causes the oligomerization and phosphorylation of the SMAD5 protein. SMAD5 is a receptor regulated SMAD (R-SMAD) and is activated by bone morphogenetic protein type 1 receptor kinase.

Synonym: 1110051M15Rik,AI451355,Dwf-C,Madh5,MusMLP

Molecular Weight: 79.9 kDa

UniProt: [P97454](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

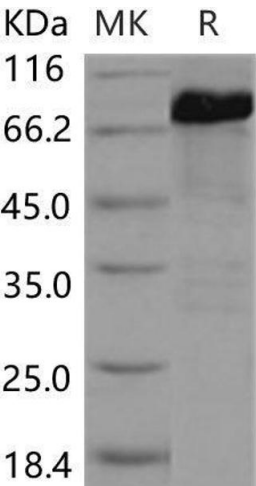
Reconstitution: Please refer to the printed manual for detailed information.

Buffer: Lyophilized from sterile 20 mM Tris, 500 mM NaCl, pH 8.0, 10 % glycerol

Storage: 4 °C,-20 °C,-80 °C

Storage Comment: Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.

Images



Western Blotting

Image 1.