

Datasheet for ABIN7320167  
**SMAD5 Protein**[Go to Product page](#)

## 1 Image

## Overview

Quantity:	100 µg
Target:	SMAD5
Origin:	Mouse
Source:	Baculovirus infected Insect Cells
Protein Type:	Recombinant

## Product Details

Purpose:	Recombinant Mouse Smad5 Protein
Sequence:	Thr2-Ser465
Characteristics:	A DNA sequence encoding the mouse SMAD5 (P97454) (Thr2-Ser465) was expressed and purified with two additional amino acids (Gly & Pro ) 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 ( <a href="#">SMAD5 Products</a> )
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 pathway that results in an inhibition of the proliferation of hematopoietic progenitor cells. It is

## Target Details

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: 52.2 kDa

UniProt: [P97454](#)

## Application Details

Restrictions: For Research Use only

## Handling

Format: Lyophilized

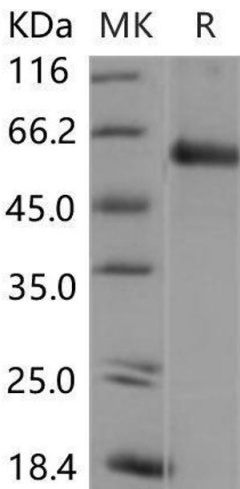
Reconstitution: Please refer to the printed manual for detailed information.

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

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.