

Product Information

MemDX™ Membrane Protein Human SMAD5 (SMAD family member 5) for Antibody

Discovery

Cat. No.: **MP1277X**

This product is for research use only and is not intended for diagnostic use.

This product is a 78.7 kDa Human SMAD5 membrane protein expressed in *In vitro* wheat germ expression system. The protein is for research use only and is not approved for use in humans or in clinical diagnosis.

Product Specifications

Host Species

Human

Target Protein

SMAD5

Protein Length

Full-length

Molecular Weight

78.7 kDa

Sequence

MTSMASLFSFTSPAVKRLLGWKQGDEEEKWAEKAVDALVKKLKKKKGAMEELEKALSSPGQPSKCVTIPRSLDGRLQVSHRKGLP

Product Description

Application

Enzyme-linked Immunoabsorbent Assay, Western Blot (Recombinant protein), Antibody Production, Protein Array

Expression Systems

in vitro wheat germ expression system

Tag

GST-tag at N-terminal

Protein Format

Liposome

Form

Liquid

Purification

Glutathione Sepharose 4 Fast Flow

Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0

Storage

Store at +4°C for up to one week or several months at -80°C

Target**Target Protein**

SMAD5

Full Name

SMAD family member 5

Introduction

The protein encoded by this gene is involved in the transforming growth factor beta signaling pathway that results in an inhibition of the proliferation of hematopoietic progenitor cells. The encoded protein is activated by bone morphogenetic proteins type 1 receptor kinase, and may be involved in cancer. Alternative splicing results in multiple transcript variants.

Alternative Names

DWFC; JV5-1; MADH5; mothers against decapentaplegic homolog 5; MAD, mothers against decapentaplegic homolog 5; SMA- and MAD-related protein 5; SMAD, mothers against DPP homolog 5; mothers against decapentaplegic, drosophila, homolog of, 5

Gene ID

[4090](#)

UniProt ID

[Q99717](#)