

Product Information

MemDX™ Membrane Protein Human SMAD6 (SMAD family member 6) for Antibody

Discovery

Cat. No.: **MP1278X**

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

This product is a 80.96 kDa Human SMAD6 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

SMAD6

Protein Length

Full-length

Molecular Weight

80.96 kDa

Sequence

MFRSKRSGLVRRLLWRSRVVPDREEGGSGGGGGGDEDGSLGSRAEPAPRAREGGGCGRSEVRPVAPRRPRDAVGQRGAQGAG

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**

SMAD6

Full Name

SMAD family member 6

Introduction

The protein encoded by this gene belongs to the SMAD family of proteins, which are related to Drosophila 'mothers against decapentaplegic' (Mad) and C. elegans Sma. SMAD proteins are signal transducers and transcriptional modulators that mediate multiple signaling pathways. This protein functions in the negative regulation of BMP and TGF-beta/activin-signalling. Multiple transcript variants have been found for this gene.

Alternative Names

AOVD2; MADH6; MADH7; HsT17432; mothers against decapentaplegic homolog 6; MAD homolog 6; SMAD, mothers against DPP homolog 6; mothers against decapentaplegic, drosophila, homolog of, 6

Gene ID

[4091](#)

UniProt ID

[O43541](#)