

Recombinant Human SMAD Family Member 1/SMAD1 Protein(N-GST)

Cat.NO.: TP06195

3th Edition

Synonyms: Mothers Against Decapentaplegic Homolog 1; MAD Homolog 1; Mothers Against DPP Homolog 1; JV4-1; Mad-Related Protein 1; SMAD Family Member 1; Transforming Growth Factor-Beta-Signaling Protein 1; BSP-1; SMAD1; BSP1; MADH1; SMAD 1; Smad1; hSMAD1; MADR1

Description: SMAD Family Member 1 (SMAD1) is a member of the dwarfin/SMAD family. SMAD1 has the highest expression in the heart and skeletal muscle, containing one MAD homology 1 domain and one MAD homology 2 domain. As a transcriptional modulator SMAD 1 is activated by bone morphogenetic proteins type 1 receptor kinase. Defects in SMAD1 may cause primary pulmonary hypertension (PPH1), characterized by plexiform lesions of proliferating endothelial cells in pulmonary arterioles. The lesions lead to elevated pulmonary arterial pressure, right ventricular failure and death.

Form: PBS

Molecular Weight: 78.7 kDa

Sequences: Met 1-Ser465

Purity: > 95% by HPLC

Concentration:

Endotoxin Level: <1.0 EU per 1 ug of protein (determined by LAL method)

Storage: Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.