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Recombinant human Smad4 protein

Catalog Number: SMD0901

PRODUCT INFORMATION

Expression system
E.coli

Domain
1-552aa

UniProt No.
Q13485

NCBI Accession No.
NP_005350

Alternative Names
Mothers against decapentaplegic homolog 4, Mothers against decapentaplegic homolog 4, SMAD family member 4, DPC4, JIP, MADH4, SMAD4, Mothers against decapentaplegic homolog 4 (Small) Mothers Against Decapentaplegic, Deleted in Pancreatic Carcinoma, Deleted in pancreatic carcinoma locus 4, Deletion target in pancreatic carcinoma 4, DPC 4, MAD mothers against decapentaplegic Drosophila homolog 4, hSMAD4, MAD homolog 4, MAD mothers against decapentaplegic homolog 4, MADH 4, Med, Medea, Mothers against DPP homolog 4, OTTHuMP00000163548, Smad 4, SMAD mothers against DPP homolog 4.

PRODUCT SPECIFICATION

Molecular Weight
62.6 kDa (572aa)

Concentration
1mg/ml (determined by Bradford assay)

Formulation
Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 20% glycerol

Purity
> 90% by SDS-PAGE

Tag
His-Tag

Application
SDS-PAGE

Storage Condition
Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description
SMAD4 belongs to the SMAD family of proteins that mediate signal transduction by the TGF-beta/activin/BMP-2/4

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cytokine superfamily from receptor Ser/Thr protein kinases at the cell surface to the nucleus. SMAD4 promotes the binding of the SMAD2/SMAD4/FAST-1 complex to DNA and provides the function of activation required for SMAD1 or SMAD2 to stimulate transcription and may also act as a tumor suppressor. Recombinant SMAD4 protein was expressed in E. coli and purified by using conventional chromatography techniques.

Amino acid Sequence

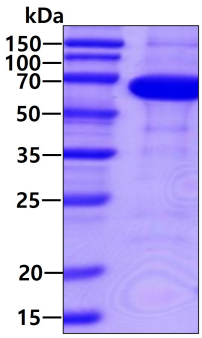
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General References

Shi Y., et al. (1997) Nature. 388(6637):87-93.
de Caestecker MP, et al. (1997) J Biol Chem. 272(21):13690-6.

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.