

SMAD4, 1-552aa, Human,His tagged, Recombinant, E.coli

Cat.NO.: TP03967

3th Edition

Synonyms: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

Description:SMAD4 belongs to the SMAD family of proteins that 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. 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.

Form:Liquid. In 20 mM Tris-HCl buffer (pH 8.0) containing 20% glycerol

Molecular Weight:62.6 kDa (572 aa)

Sequences:

MGSSHHHHHHSSGLVPRGSHMDNMSITNTPTSNDACLIVHSLMCHRQGGSETFKRAIESLVKLLKEKKDEL
SLITAITTNGAHPKCVTIQRTLDGRLQVAGRKGFPVHVIYARLWRWPDHLKNEKHKVYCYAFDLKCDVSNVNPY
HYERVVSPGIDLSGLTLQSNAPSSMMVKDEYVHDFEGQPSLSTEGHSIQTIQHPPSNRASTETYSTPALLAPSESNA
TSTANFPNIPVASTSQPASILGGSHSEGLLQIASGPQPGQQQNGFTGQPATYHHNSTTTWTGSRTAPYTPNLP
HHQNGHLQHHPMPHPGPHYWPVHNELAFQPPISNHPAPEYWCSIAYFEMDVQVGETFKVPSSCPIVTV
DGYVDPSG GDRFCLGQLSNVHRTEAIERARLHIGKGVLECKGEGDVWVRCLSDHAVFVQSYLDREAGR
APGDAVHKIYPSA YIKVFDLRQCHRQMQQAATAQAAAAAQAQAAVAGNIPGPGSVGGIAPAI
SLSAAAGIGVDDLRLRLCILRMSFVKGW GPDYPRQSIKETPCWIEIHLHRALQLLDEV
LHTMPIADPQPLD

Purity:> 95% by HPLC

Concentration:1 mg/ml (determined by Bradford assay)

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.