

32-4867: Recombinant Human Mothers Against Decapentaplegic Homolog 4

Alternative Name : JIP,DPC4,MADH4,SMAD-4,DPC-4,MADH-4,Mothers against decapentaplegic homolog 4,Mothers against DPP homolog 4,SMAD 4,hSMAD4,Deletion target in pancreatic carcinoma 4,SMAD4,SMAD family member 4.

Description

Source : Escherichia Coli. SMAD4 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 572 amino acids (1-552) and having a molecular mass of 62.6 kDa. SMAD4 is fused to a 20 amino acid His-Tag at N-Terminus and purified by standard chromatography techniques. SMAD4 is part of 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 acts as a tumor suppressor. SMAD4 is a target molecule for functional inactivation in cervical cancer. SMAD4 is an important biomarker for malignant transformation atakes part in inducing apoptosis by modulating Bcl-2/Bax balance.

Product Info

Amount : 50 µg
Purification : Greater than 90.0% as determined by SDS-PAGE.
Content : The SMAD4 protein solution contains 20mM Tris-HCl pH-8, and 20% glycerol.
Storage condition : Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Avoid multiple freeze-thaw cycles.
Amino Acid : MGSSHHHHHH SGLVPRGSH MDNMSITNTP TSNDACLSIV HSLMCHRQGG ESETFAKRAI
ESLVKKLKEK KDELDSLITA ITTNGAHP SK CVTIQRTL DG RLQVAGRKGF PHVIYARLWR
WPD LHKNELK HVKYCQYAFD LKCD SVCVNP YHYERVVSPG IDLSGLTLQS NAPSSMMVKD
EYVHDFEGQP SLSTEGHSIQ TIQHPPSNRA STETYSTPAL LAPSESNATS TANFPNIPVA
STSQPASILG GSHSEGLLQI ASGPQPGQQQ NGFTGQPATY HHNSTTTWTG SRTAPYTPNL
PHHQNGHLQH HPPMPPHPGH YWPVHNELAF QPPISNHPAP EYWCSIA YFE MDVQVGETFK
VPSSCPIVTV DGYVDPSSGD RFCLGQLSNV HRTEAIERAR LHIGKGVQLE CKGEGDVWVR
CLSDHAVFVQ SYILDREAGR APGDAVHKIY PSAYIKVFDL RQCHRQMQQQ AATAQAAAAA
QAAAVAGNIP GPGSVGGIAP AISLSAAAGI GVDDLRLLCI LRMSFVKGWG PDYPRQSIKE
TPCWIEIHLH RALQLLDEVL HTMPIADPQP LD.

