

Mothers Against Decapentaplegic Homolog 4 Human Recombinant

Item Number	rAP-4815
Synonyms	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	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.
Uniprot Accession Number	Q13485
Amino Acid Sequence	MGSSHHHHHH SSGLVPRGSH MDNMSITNTP TSNDACLSIV HSLMCHRQGG ESETFAKRAI ESLVKKLKEK KDELDLITA ITTNGAHPSK CVTIQRTLDG RLQVAGRKGF PHVIYARLWR WPD LHKNELK HVKYCQYAFD LKCD SVCVNP YHYERVVSPG IDLSGLTLQS NAPSSMMVKD EYVHDFEGQP SLSTEGHSIQ TIQHPPSNRA STETYSTPAL LAPSESNATS TANFPNIPVA STSQPASILG GSHSEGLLQI ASGPQPGQQQ NGFTGQPATY HHNSTTTWTG SRTAPYTPNL PHHQNGHLQH HPPMPHPHGH YWPVHNELAF QPPISNHPAP EYWCSIAYPE MDVQVGETFK VPSSCPIVTV DGYVDPSSGGD
Source	Escherichia Coli.
Physical Appearance and Stability	Sterile Filtered colorless solution. 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.
Formulation and Purity	The SMAD4 protein solution contains 20mM Tris-HCl pH-8, and 20% glycerol. Greater than 90.0% as determined by SDS-PAGE.
Application	
Solubility	
Biological Activity	
Shipping Format and Condition	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**