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SMAD2, 1- 467 aa, Human, His-tagged, Recombinant, E.coli

产品货号: TP03965

第三版

别名:Sma- and Mad-related protein 2 isoform 1, hMAD-2, hSMAD2, JV18, JV18-1, MADH2, MADR2, Sma- and Mad-related protein 2 isoform 1 JV181, MAD, MAD Related Protein 2, SMAD2.

描述:SMAD2(Mothers against decapentaplegic homolog 2) 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. Phosphorylated Smad2 is then able to form a complex with Smad4 or SARA. These complexes accumulate in the cell nucleus, where they are directly participating in the regulation of gene expression. Recombinant SMAD2 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

配方:Liquid. In 20mM Tris-HCl buffer (pH8.0) containing 0.1M NaCl, 20% glycerol

分子量:54.4 kDa (487aa)

序列:

MGSSHHHHHHSSGLVPRGSHMSSILPFTPPVVKRLLGWKKSAAGSGGAGGGEQNGQEEKWCEKAVKSLVKKLKKTGRL
DELEKAITTQNCNTKCVTIPSTCSEIWGLSTPNTIDQWDTTGLYSFSEQTRSLDGRLQVSHRGLPHVIYCRLWRWPDLS
HHELKAIENCEYAFNLKKDEVCVNPYHYQRVETPVLPPVLVPRHTEILTELPLDDYTHSIPENTNFPAGIEPQSNIYIPETPP
PGYISEDGETSDQQLNQSMGTGSPAELSPVNHSLDLQPVTYSEPAFWCSIAYYELNQRVGETFHASQPSLTVDGFTD
PSNSERFCLGLLSNVNRNATVEMTRRHIGRGRVRLYYIGGEVFAECLSDSAIFVQSPNCNQRYGWHPATVCKIPPGCNLKIF
NNQEFAALLAQSVNQGFVAVYQLTRMCTIRMSFVKGWGAEYRRQTVTSTPCWIELHLNGPLQWLDKVLTKMGSPSVRC
SSMS

纯度:> 95% by HPLC

浓度:0.5 mg/ml (determined by Bradford assay)

内毒素:<1.0 EU per 1 ug of protein (determined by LAL method)

存储: +4 ° C 保存 (1-2 周). 长期保存在 -20 ° C 或者 -70 ° C. 避免反复冻融.