9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

SMAD3 Human

Mothers Against Decapentaplegic Homolog 3 Human Recombinant
RCP2130

Product Overview

Name	SMAD3 Human

Description

Mothers Against Decapentaplegic Homolog 3 Human Recombinant

Accession (Primary)	P84022

Synonyms

MADH3, JV15-2, HSPC193, HsT17436, MGC60396, DKFZp586N0721, DKFZp686J10186, SMAD3, Mothers against decapentaplegic homolog 3, Mothers against DPP homolog 3, MAD homolog 3, Mad3, hMAD-3, SMAD family member 3, SMAD 3, hSMAD3.

Introduction

SMAD3 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. SMAD3 has a role as a transcriptional modulator activated by TGF-Beta and is involved in the regulation of carcinogenesis. SMAD3 mutations are related with the pathogenesis of human osteoarthritis. SMAD3 expression take part in tumor suppression in the premature stages of gastric carcinogenesis. SMAD3 is involved in nuclear translocation of beta-catenin.

Source

Escherichia Coli.

Physical Appearance

Sterile Filtered colorless solution.

Formulation

The SMAD3 protein solution contains 20mM Tris-HCl pH-8, 0.1M NaCl, 0.1mM DTT and 20% glycerol.

Stability

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.

Purity

Greater than 90.0% as determined by SDS-PAGE.

Amino acid sequence

MGSSHHHHHH SSGLVPRGSH MSSILPFTPP IVKRLLGWKK GEQNGQEEKW CEKAVKSLVK KLKKTGQLDE LEKAITTQNV NTKCITIPRS LDGRLQVSHR KGLPHVIYCR LWRWPDLHSH HELRAMELCE FAFNMKKDEV

9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

CVNPYHYQRV ETPVLPPVLV PRHTEIPAEF PPLDDYSHSI PENTNFPAGI EPQSNIPETP PPGYLSEDGE TSDHQMNHSM DAGSPNLSPN PMSPAHNNLD LQPVTYCEPA FWCSISYYEL NQRVGETFHA SQPSMTVDGF TDPSNSERFC LGLLSNVNRN AAVELTRRHI GRGVRLYYIG GEVFAECLSD SAIFVQSPNC NQRYGWHPAT VCKIPPGCNL KIFNNQEFAA LLAQSVNQGF EAVYQLTRMC TIRMSFVKGW GAEYRRQTVT STPCWIELHL NGPLQWLDKV LTQMGSPSIR CSSVS.

Precautions

SMAD3 Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (P84022)