

Mothers Against Decapentaplegic Homolog 3 Human Recombinant

Item Number	rAP-4817
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.
Description	SMAD3 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 445 amino acids (1-425) and having a molecular mass of 50.2 kDa. SMAD3 is fused to a 20 amino acid His-Tag at N-Terminus and purified by standard chromatography techniques.
Uniprot Accession Number	P84022
Amino Acid Sequence	MGSSHHHHHH SSGLVPRGSH MSSILPFTPP IVKRLLGWKK GEQNGQEEKW CEKAVKSLVK KLKKTGQLDE LEKAITQNV NTKCITIPRS LDGRLQVSHR KGLPHVIYCR LWRWPDLSH HELRAMEL- CE FAFNMKKDEV CVNPYHYQRV ETPVLPPVLV PRHTEIPAEF PPLDDYSHSI PENTNFPAGI EPQSNIPETP PPGYLSEGE TSDHQMNHSM DAGSPNLSPN PMSPAHNNLD LQPVTYCEPA FWC- SISYYEL NQRVGETFHA SQPSMTVDGF TDPSNSERFC LGLLSNVNRRN AAVELTRRHI GRGVRLLYYIG GEVFAECLSD SAIFVQSPNC NQRYGWHPAT VCKIPPGCNL KIFNNQEFAA LLAQSVNQQGF
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 SMAD3 protein solution contains 20mM Tris-HCl pH-8, 0.1M NaCl, 0.1mM DTT 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**