

SMAD3 recombinant protein

SMAD3, 1-425aa, Human, His tag, E Coli

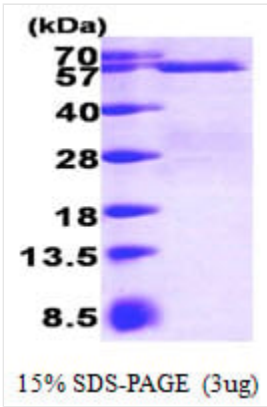
CATALOG # AAA48577	HOST E Coli	APPLICATIONS SDS-Page
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PRODUCT SYNONYMS

SMAD3; 1-425aa; Human; His tag; E Coli; Mothers against decapentaplegic homolog 3; HSPC193; HsT17436; JV15-2; MADH3; Mothers against decapentaplegic homolog 3 DKFZP586N0721; DKFZp686J10186; hMAD 3; hSMAD3; MAD (mothers against decapentaplegic Drosophila) homolog 3; HST17436; JV15 2; JV152; MAD3; MADH 3; MGC60396; Mothers against DPP homolog 3; SMA and MAD related protein 3; SMAD; SMAD 3; ; SMAD3 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	> 90% by SDS-PAGE
Form/Format	Liquid. In 20mM Tris-HCl Buffer (pH 8.0) containing 20% glycerol, 0.1M NaCl and 1 mM DTT
Concentration	0.5 mg/ml (determined by Bradford assay) (varies by lot)
Sequence	MGSSHHHHH SSGLVPRGSH MSSILPFTPP IVKRLLGWKK GEQNGQEEKW CEKAVKSLVK KLKKTGQLDE LEKAITTQNV NTKCITIPRS LDGRLQVSHR KGLPHVIYCR LWRWPDLSH HELRAMELCE FAFNMKKDEV CVNPYHYQRV ETPVLPPVLV PRHTEIPAEF PPLDDYSHSI PENTNFPAGI EPQSNIPETP PPGYLSEDGE TSDHQMNHSM DAGSPNLSPN PMSPAHHNLD LQPVTYCEPA FWCSISYYEL NQRVGETFHA SQPSMTVDGF TDPSNSERFC LGLLSNVNRN AAVELTRRHI GRGVRLYIG GEVFAECLSD SAIFVQSPNC NQRYGWHPAT VCKIPPGCNL KIFNNQEFAA LLAQSVNQGF EAVYQLTRMC TIRMSFVKGW GAEYRRQTVT STPCWIELHL NGPLQWLDKV LTQMGGSPSIR CSSVS
Sequence Length	425
Applicable Applications for SMAD3 recombinant protein	SDS-PAGE
Antigen Species	Human
Tag Information	His-tag
Preparation and Storage	Can be stored at 4 degree C short term (1-2 weeks). For long term storage, aliquot and store at -20 degree C or -70 degree C. Avoid repeated freezing and thawing cycles.



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for SMAD3 recombinant protein	SMAD3, also known as mothers against decapentaplegic homolog 3, 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. Small molecule inhibitors of Smad3 may have tremendous clinical potential in the treatment of pathological fibrotic diseases. Recombinant SMAD3 protein was expressed in E Coli and purified by using conventional chromatography techniques.
Product Categories/Family for SMAD3 recombinant protein	Transcription & Translation
References	Zhang Y., et al. (1996) Nature. 383 (6596):168-72.; Wang H., et al. (2005) J Biol Chem. 280 (7):5154-62.;

NCBI AND UNIPROT INFORMATION

NCBI GI #	5174513
NCBI GeneID	4088
NCBI Accession #	NP_005893
NCBI GenBank Nucleotide #	NM_005902.3
UniProt Accession #	P84022; O09064; O09144; O14510; O35273; Q92940; Q93002; A8K4B6; B7Z4Z5; B7Z6M9; B7Z9Q2; F5H383
Molecular Weight	50.2 kDa (445aa), confirmed by MALDI-TOF.
NCBI Official Full Name	mothers against decapentaplegic homolog 3 isoform 1
NCBI Official Synonym Full Names	SMAD family member 3
NCBI Official Symbol	SMAD3
NCBI Official Synonym Symbols	LDS3; LDS1C; MADH3; JV15-2; HSPC193; HsT17436
NCBI Protein Information	mothers against decapentaplegic homolog 3
UniProt Protein Name	Mothers against decapentaplegic homolog 3
UniProt Gene Name	SMAD3
UniProt Synonym Gene Names	MADH3; MAD homolog 3; Mad3; Mothers against DPP homolog 3; hMAD-3; SMAD 3; Smad3; hSMAD3

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.