

Human SMAD2

Synonyms: JV18, MADH2, MADR2, JV18-1, hMAD-2, hSMAD2, MGC22139, MGC34440, SMAD2, Mothers against decapentaplegic homolog 2, Mothers against DPP homolog 2, Mad-related protein 2, SMAD 2, SMAD family member 2.

PLEASE NOTE: ALWAYS CENTRIFUGE VIAL BEFORE OPENING

| Size | Order # | Lot # | Expiry Date |
|-------|--------------|-------|-------------|
| 2 µg | 4046.950.002 | | |
| 10 µg | 4046.950.010 | | |
| 1 mg | 4046.950.199 | | |

Please enquire for bulk quantities and other vial sizes

Description

SMAD2 Human Recombinant produced in *E.Coli* is a single, non-glycosylated polypeptide chain containing 487 amino acids (1-467) and having a molecular mass of 54.4 kDa. SMAD2 is fused to 20 amino acid His-Tag at N-Terminus.

- **Source** *E. Coli*
- **Purity** ≥ 95 % (SDS-PAGE)
- **Endotoxin level** ≤ 0.1ng/µg (≤ 1EU/µg)
- **Buffer** The SMAD2 protein solution contains 20mM Tris-HCl pH-8, and 100mM NaCl*
- **Physical state** Sterile filtered colorless solution

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). **Please avoid repeated freeze-thaw cycles.**

Amino Acid Sequence

MGSSHHHHHH S SGLVPRGSH MSSILPFTTP VVKRLLGWKK SAGGSGGAGG GEQNGQEEKW CEKAVKSLVK
 KLKKTGRLDE LEKAITTQNC NTKCVTIPST CSEIWGLSTP NTIDQWDTTG LYSFSEQTRS LDGRLQVSHR
 KGLPHVIYCR LWRWPDLSH HELKAIENCE YAFNLKKDEV CVNPYHYQRV ETPVLPPVLV PRHTEILTEL
 PPLDDYTHSI PENTNFPAGI EPQSNYIPET PPPGYISEDG ETSDQQLNQS MDTGSPAELS PTTLSPVNHS
 LDLQPVTYSE PAFWCSIAYY ELNQRVGETF HASQPSLTVD GFTDPSNSER FCLGLLSNVN RNATVEMTRR
 HIGRGVRLYY IGGEVFAECL SDSAIFVQSP NCNQRYGWHP ATVCKIPPGC NLKIFNNQEF AALLAQSVNQ
 GFEAVYQLTR MCTIRMSFVK GWGAEYRRQT VTSTPCWIEL HLNGLPLQWLD KVLTMGSPS VRCSSMS

Usage: For research use only. Not for use in diagnostic or therapeutic procedures. Not for human use.

*The Buffer may vary depending on the Lot #. Please contact our technical support if you have specific requirements.

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