

Recombinant Human SMAD2 protein, His-SUMO-tagged

Cat. No. SMAD2-4398H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human SMAD2 protein(Q15796)(2-467aa), fused to N-terminal His-SUMO tag, was expressed in E. coli
Species	Human
Source	E.coli
ProteinLength	2-467aa
Form	If the delivery form is liquid, the default storage buffer is Tris/PBS-based buffer, 5%-50% glycerol. If the delivery form is lyophilized powder, the buffer before lyophilization is Tris/PBS-based buffer, 6% Trehalose, pH 8.0.
Molecular Mass	68.2 kDa
AA Sequence	<p>SSILPFTPPVVKRLLGWKKSAGGSGGAGGGGEQNGQEEKWCEKAVKSLVKKLKKKTG RLDELEKAITTQNCNTKCVTIPSTCSEIWGLSTPNTIDQWDTTGLYSFSEQTRSLDGR LQVSHRKGLPHVIYCRLWRWPDLHSHHELKAIENCEYAFNLKKDEVCVNPHYHYQRV ETPVLPPVLVPRHTEILTELPLDDYTHSIPENTNFPAGIEPQSNIYIPETPPPGYISED GETSDQQLNQSMDTGSPAELSPTTLSPVNHSLDLQPVTYSEPAFWCSIAYYELNQR VGETFHASQPSLTVDGFTDPSNSERFCLGLLSNVNRNATVEMTRRHIGRQVRLYYIG GEVFAECLSDSAIFVQSPNCNQRYGWHPATVCKIPPGCNLKIFNNQEFAALLAQSVN QGFEAVYQLTRMCTIRMSFVKGWGAEYRRQTVTSTPCWIELHLNGPLQWLDKVLV QMGSPSVRCSSMS</p>

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Purity	Greater than 90% as determined by SDS-PAGE.
Storage	Store at -20°C/-80°C upon receipt, aliquoting is necessary for mutiple use. Avoid repeated freeze-thaw cycles.
Reconstitution	Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%.

GENE INFORMATION

Gene Name	SMAD2 SMAD family member 2 [Homo sapiens]
Official Symbol	SMAD2
Synonyms	SMAD2; SMAD family member 2; MAD, mothers against decapentaplegic homolog 2 (Drosophila) , MADH2, SMAD, mothers against DPP homolog 2 (Drosophila); mothers against decapentaplegic homolog 2; JV18 1; MADR2; MAD homolog 2; mother against DPP homolog 2; Sma- and Mad-related protein 2; SMAD, mothers against DPP homolog 2; JV18; MADH2; JV18-1; hMAD-2; hSMAD2; MGC22139; MGC34440;
Gene ID	4087
mRNA Refseq	NM_001003652
Protein Refseq	NP_001003652
MIM	601366
UniProt ID	Q15796

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