

Recombinant Human SMAD7 Protein, MYC/DDK-tagged

Cat. No. SMAD7-1912H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant human SMAD7 protein, fused to MYC/DDK-tagged at C-terminus, was expressed in HEK293
Species	Human
Source	HEK293
Description	The protein encoded by this gene is a nuclear protein that binds the E3 ubiquitin ligase SMURF2. Upon binding, this complex translocates to the cytoplasm, where it interacts with TGF-beta receptor type-1 (TGFBR1), leading to the degradation of both the encoded protein and TGFBR1. Expression of this gene is induced by TGFBR1. Variations in this gene are a cause of susceptibility to colorectal cancer type 3 (CRCS3). Several transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jun 2010].
Form	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	46.2 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration	>50 ug/mL as determined by microplate BCA method

GENE INFORMATION

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Gene Name	SMAD7 SMAD family member 7 [Homo sapiens]
Official Symbol	SMAD7
Synonyms	CRCS3; MADH7; MADH8
Gene ID	4092
mRNA Refseq	NM_001190821
Protein Refseq	NP_001177750
MIM	602932
UniProt ID	O15105

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