

Product datasheet for **TP310400**

MADH7 (SMAD7) (NM_005904) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human SMAD family member 7 (SMAD7), 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC210400 representing NM_005904 Red =Cloning site Green =Tags(s)
	<p>MFRTKRSALVRRLLWRSRAPGGEEDEEGAGGGGGGGGELRGEGATDSRAHGAGGGGGPGRAGCCLGKAVRGAK GHHHPHPPAAGAGAAGGAEADLKALTHSVLKKLKERQLELLLQAVESRGGTRTACLLLPGRLCDRLGPGA PAGAQAQPPSSYSLPLLLCKVFRWPDLRHSSEVKRLCCCESYGKINPELVCCNPHHLSRLCELESPPPP YSRYPMDFLKPADCPDAVPSSAETGGTNYLAPGGLSDSQQLLLEPGDRSHWCVWAYWEEKTRVGRLYCVQ EPSLDIFYDLPQNGFCLGQLNSDNKSQLVQKVRISKIGCGIQLTREVDGVWVYNRSSYPIFIKSATLDNP DSRTLLVHKVFPGFSIKAFDYEKAYSLQRPNDHEFMQQPWTGFTVQISFVKGWGQCYTRQFISSCPCWLE VIFNSR</p> <p>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</p>
Tag:	C-Myc/DDK
Predicted MW:	46.2 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	<u>NP_005895</u>



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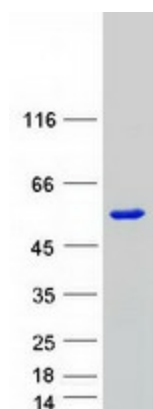
Locus ID: 4092
UniProt ID: [O15105](#)
RefSeq Size: 3103
Cytogenetics: 18q21.1
RefSeq ORF: 1278
Synonyms: CRCS3; MADH7; MADH8

Summary: 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]

Protein Families: Druggable Genome, Transcription Factors

Protein Pathways: TGF-beta signaling pathway

Product images:



Coomassie blue staining of purified SMAD7 protein (Cat# TP310400). The protein was produced from HEK293T cells transfected with SMAD7 cDNA clone (Cat# [RC210400]) using MegaTran 2.0 (Cat# [TT210002]).