

Product datasheet for **TP304143**

SMAD9 (NM_005905) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human SMAD family member 9 (SMAD9), transcript variant b, 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC204143 protein sequence Red =Cloning site Green =Tags(s)
	<p>MHSTTPISSLFSFTSPAVKRLLGWKQGDEEEKWAEKAVDSLKLLKKKKGAMDELERALSCPGQPSKCVT IPRSLDGRQLQVSHRKGLPHVIYCRVWRWPDLSHHELKPLECCEFPFGSKQKEVCINPYHYRRVETPVLP PVLVPRHSEYNPQLSLLAKFRSASLHSEPLMPHNATYPDSFQQPPCSALPPSPSHAFSQSPCTASYPHSP GSPSEPEPYQHSDFRPVCYEEPQHWCSVAYYELNRRVGETFQASSRVLIDGFTDPSNNRNRFLGLLS NVNRNSTIENTRRHIGKGVHLYYVGGEVYAEVSDSSIFVQSRNCNYQHGFHPATVCKIPSGCSLKVFNN QLFAQLLAQSVHHGFEVYELTKMCTIRMSFVKGWGAEYHRQDVTSTPCWIEIHLHGPLQWLDKVLQMG SPHNPISSVS</p> <p>SGPTRTRPLEQKLISEEDLAANDILDYKDDDDKV</p>
Tag:	C-Myc/DDK
Predicted MW:	48.5 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_005896</u>



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Locus ID: 4093

UniProt ID: [O15198](#), [A0A024RDR3](#)

RefSeq Size: 5481

Cytogenetics: 13q13.3

RefSeq ORF: 1290

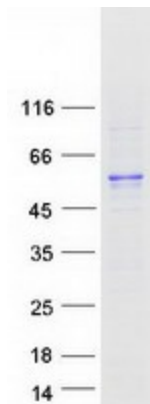
Synonyms: MADH6; MADH9; PPH2; SMAD8; SMAD8/9; SMAD8A; SMAD8B

Summary: The protein encoded by this gene is a member of the SMAD family, which transduces signals from TGF-beta family members. The encoded protein is activated by bone morphogenetic proteins and interacts with SMAD4. Two transcript variants encoding different isoforms have been found for this gene.[provided by RefSeq, Jan 2010]

Protein Families: ES Cell Differentiation/IPS, Transcription Factors

Protein Pathways: TGF-beta signaling pathway

Product images:



Coomassie blue staining of purified SMAD9 protein (Cat# TP304143). The protein was produced from HEK293T cells transfected with SMAD9 cDNA clone (Cat# [RC204143]) using MegaTran 2.0 (Cat# [TT210002]).