

Product datasheet for PH304143

SMAD9 (NM_005905) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	SMAD9 MS Standard C13 and N15-labeled recombinant protein (NP_005896)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC204143
Predicted MW:	48.6 kDa
Protein Sequence:	>RC204143 protein sequence Red=Cloning site Green=Tags(s)

MHSTTPISSLFSFTSPAVKRLLGWKQGDEEEKWAEKAVDSL VKKLKKKKGAMDELERALSCPGQPSKCVT
IPRSLDGRLQVSHRKG LPHVIYCRVWRWPD LQSHHELKPLECCEFPFGSKQKEVCINPYHYRRVETPVLP
PVLVPRHSEYNPQLSLLAKFRSASLHSEPLMPHNATYPDSFQQPPCSALPPSPSHAFS QSPCTASYPHSP
GSPSEPESPYQHSDFRPVCYEEPQHWC SVAYYELNNRVGETFQASSRVLIDGFTDPSNNRNRFLGLLS
NVNRNSTIENTRRHIGKGVHLYYVGGEVYAEVSDSSIFVQSRNCNYQHGFHPATVCKIPSGCSLKVFN
QLFAQLLAQSVHHGFVYELTKMCTIRMSFVKGWGAEYHRQDVTSTPCWIEIHLHGPLQWLDKVL TQMG
SPHNPISSVS

SGP TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_005896
RefSeq Size:	5481
RefSeq ORF:	1290
Synonyms:	MADH6; MADH9; PPH2; SMAD8; SMAD8/9; SMAD8A; SMAD8B



[View online »](#)

Locus ID: 4093

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

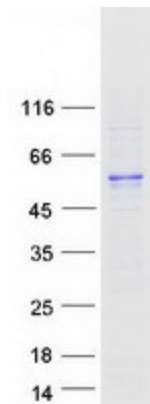
Cytogenetics: 13q13.3

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]).