

Product datasheet for **TP526823**

Smad1 (NM_008539) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse SMAD family member 1 (Smad1), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA	>MR226823 representing NM_008539
Clone or AA Sequence:	Red=Cloning site Green=Tags(s)

MNVTSLFSFTSPAVKRLLGWKQGDDEEKWAEKAVDALVKKLLKKKKGAMEELEKALSCPGQPSNCVTIPRS
LDGRLQVSHRKGPHVIYCRVWRWPDLSHHELKPLECCEFPFGSKQKEVCINPYHYKRVESVLPVPLV
PRHSEYNPQHSLLAQFRNLGQNEPHMPLNATFPDSFQQPNSHPFPHPSPSSYPNSPGGSSSTYPHSPTSS
DPGSPFQMPADTPPPAYLPPEDPMAQDGSQPMDTNMMAPPLPAEISRGDVQAVAYEYPKHWCSIVYYELN
NRVGEAFHASSTSVLVDGFTDPSNNKNRFLGLLSNVNRNSTIENTRRRHIGKGVHLYYVGGEVYAECLSD
SSIFVQSRNCNYHHGFHPTTVCKIPSGCSLKIFNNQEFAQLLAQSVNHGFETVYELTKMCTIRMSFVKGW
GAEYHRQDVTSTPCWIEIHLHGPLQWLDKVLTKMGSPHNPISSVS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-MYC/DDK
Predicted MW:	52.6 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
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 after receiving vials.
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:	NP_032565
Locus ID:	17125



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UniProt ID: [P70340](#)

RefSeq Size: 3133

Cytogenetics: 8 C1

RefSeq ORF: 1395

Synonyms: AI528653; Madh1; Madr1; Mlp1; MusMLP

Summary: Transcriptional modulator activated by BMP (bone morphogenetic proteins) type 1 receptor kinase. SMAD1 is a receptor-regulated SMAD (R-SMAD) (By similarity). May play a role in the initiation and maintenance of spermatogenesis. SMAD1/OAZ1/PSMB4 complex mediates the degradation of the CREBBP/EP300 repressor SNIP1 (By similarity). May act synergistically with SMAD4 and YY1 in bone morphogenetic protein (BMP)-mediated cardiac-specific gene expression (PubMed:15329343).[UniProtKB/Swiss-Prot Function]