

Product datasheet for TP526590

Smad7 (NM_001042660) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse SMAD family member 7 (Smad7), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR226590 protein sequence Red =Cloning site Green =Tags(s)
	MFRTKRSALVRRLLWRSRAPGGEEDEEEVGGGGGGGELRGEGATDGRAYGAGGGGAGRAGCCLGKAVRGAK GHHHPHPPTSGAGAAGGAEADLKALTHSVLKKLKERQLELLLQAVESRGGTRTACLLLPGRLCDRLGPGA PASAQPAQPSSYSPLLLLCKVFRWPDLRHSSEVKRLCCESYGKINPELVCCNPHHLSRLCELESPPPP YSRYPMDFLKPTAGCPDAVPSSAETGGTNYLAPGGLSDSQQLLLEPGDRSHWCVWAYWEEKTRVGRLYCVQ EPSLDIFYDLPQNGFCLGQLNSDNKSQLVQKVRKIGCGIQLTREVDGWVWVNRSSYPIFIKSATLDNP DSRTLLVHKVFPGFSAKAFDYEKAYSLQRPNDHEFMQQPWTGFTVQISFVKGWGQCYTRQFISSCPCWLE VIFNSR TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-MYC/DDK
Predicted MW:	46.4 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_001036125
Locus ID:	17131



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UniProt ID: [Q35253](#), [B2RPW6](#)

RefSeq Size: 4441

Cytogenetics: 18 E3

RefSeq ORF: 1281

Synonyms: Madh7

Summary: Antagonist of signaling by TGF-beta (transforming growth factor) type 1 receptor superfamily members; has been shown to inhibit TGF-beta (Transforming growth factor) and activin signaling by associating with their receptors thus preventing SMAD2 access. Functions as an adapter to recruit SMURF2 to the TGF-beta receptor complex. Also acts by recruiting the PPP1R15A-PP1 complex to TGFBR1, which promotes its dephosphorylation. Positively regulates PDPK1 kinase activity by stimulating its dissociation from the 14-3-3 protein YWHAQ which acts as a negative regulator.[UniProtKB/Swiss-Prot Function]