

Product datasheet for **TP527576**

Smad6 (NM_008542) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse SMAD family member 6 (Smad6), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR227576 representing NM_008542 Red =Cloning site Green =Tags(s)

KLMFRSKRSGLVRRLLWRSRVDPDREEGSGGGGGVDEDGSLGSRAEPAPRAREGGGCSRSEVRSVAPRRPR
DAVGPRGAAIAGRRRRRTGGLPRPVSESGAGAGGSPLDVAEPGGPGWLPESDCETVTCCLFSERDAAGAPR
DSGDPQARQSPEPEGGPRREARSRLLEQELKTVTYSLLKRLKERSLDTLLEAVESRGGVPGGCVL
VPRADLRLGGQPAPPQLLGLRFRWPDQLHAVELKPLCGCHSFTAADGPTVCCNPYHFSRLCGPESPPP
PYSRLSPPDQYKPLDLSSTLSYTETETATNSLITAPGEFSDASMSPDATKPSHWCSVAYWEHRTRVGRLY
AVYDQAVSIFYDLPQGGFCLGQLNLEQRSESVRRTRSKIGFGILLSKEPDGWAYNRGEHPIFVNSPTL
DAPGGALVVRKVPVPGYSIKVDFERSGLLQHADAAGPYDPHSVRISFAKGWGPCYSRQFITSCPCWLE
ILLNNHRSGP

Tag:	C-MYC/DDK
Predicted MW:	54.2 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
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_032568
Locus ID:	17130



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UniProt ID: [O35182](#)

RefSeq Size: 2971

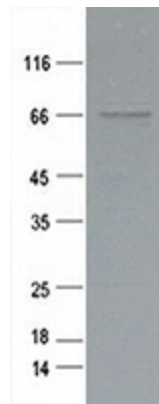
Cytogenetics: 9 C

RefSeq ORF: 1500

Synonyms: b2b390Clo; Madh6

Summary: Binds to regulatory elements in target promoter regions (By similarity). May block the BMP-SMAD1 signaling pathway by competing with SMAD4 for receptor-activated SMAD1-binding (By similarity). Acts as a mediator of TGF-beta and BMP anti-inflammatory activity. Suppresses IL1R-TLR signaling through its direct interaction with PEL1, preventing NF-kappa-B activation, nuclear transport and NF-kappa-B-mediated expression of proinflammatory genes. [UniProtKB/Swiss-Prot Function]

Product images:



Purified recombinant protein Smad6 was analyzed by SDS-PAGE gel and Coomassie Blue Staining.