

Product datasheet for TP526782

Smad9 (NM_019483) Mouse Recombinant Protein

Product data:

Product Type: Recombinant Proteins
Description: Purified recombinant protein of Mouse SMAD family member 9 (Smad9), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug

Species: Mouse

Expression Host: HEK293T

Expression cDNA Clone or AA Sequence: >MR226782 protein sequence
Red=Cloning site **Green**=Tags(s)

MHPSTPISSLFSFTSPAVKRLLGWKQGDEEEKWAEKAVDSLKLLKLLKGGAMDELERALSCPGQPSKCVT
IPRSLDGRLQVSHRGLPHVIYCRVWRWPDQLQSHHELKPLECCEFPFGSKQKEVCINPYHYRRVETPVLP
PVLVPRHSEYNPQLSLLAKFRSASLHSEPLMPHNATYPDSFQQSLCPAPPSSPGHVFPQSPCPTSYPHSP
GSPSDSPYQHSDFRPVCYEEPQHWCSVAYYELNNRVGETFQASSRVLIDGFTDPSNNRNRFLGLLSNV
NRNSTIENTRRHIGKGVHLYYVGGEVYAEVSDSSIFVQSRNCNYQHGFHPATVCKIPSGCSLKVFNNQL
FAQLLAQSVHHGFEVYELTKMCTIRMSFVKGWGAEYHRQDVTSTPCWIEIHLHGPLQWLDKVLQMGSP
HNPISSVS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag: C-MYC/DDK

Predicted MW: 48.4 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_062356](#)

Locus ID: 55994



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UniProt ID: [Q9JIW5](#), [Q3UVC6](#)

RefSeq Size: 5380

Cytogenetics: 3 C

RefSeq ORF: 1287

Synonyms: Madh; MADH6; Madh8; Madh9; SMA; SMAD; Smad8

Summary: This gene encodes a member of a family of proteins that act as downstream effectors of the bone morphogenetic protein (BMP) signaling pathway. The encoded protein is phosphorylated by BMP receptors, which stimulates its binding to SMAD4 and translocation into the nucleus, where it functions as a regulator of transcription. Activity of this protein is important for embryonic development. Mutation of this gene results in defects in pulmonary vasculature. [provided by RefSeq, Mar 2013]