

Product datasheet for **MC216266**

Smad5 (NM_008541) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Smad5 (NM_008541) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Smad5
Synonyms:	1110051M15Rik; AI451355; Dwf-C; Madh5; MusMLP
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_008541, the custom clone sequence may differ by one or more nucleotides

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ATGACGTC AATGGCCAGCTTGTTTTCTTCACTAGTCCAGCCGTGAAGCGATTGTTGGGCTGAAAACAAG
GTGACGAGGAAGAGAAATGGGCAGAAAAGGCAGTGGATGCTTTAGTGAAAAAGCTGAAGAAGAAGAAGGG
TGCTATGGAGGAGCTGGAGAAAGCCTTGAGCAGCCAGGACAGCCAAGCAAGTGTGCACGATCCCCAGG
TCCTTGGATGGACGTCTGCAAGTTTCTCACAGGAAAGGCTTGCCCATGTTATATATTGCCGTGTTTGGC
GCTGGCCAGATTTGCAGAGCCATCAGGAGCTAAAACATTGGATATTTGTGAATTCCTTTTGGATCTAA
GCAAAAAGGAAGTTTGTATCAATCCATACCACTATAAGAGAGTGGAGAGTCCAGTCTTACCTCCAGTATTA
GTGCCTCGTCACAATGAATTCATCCACAACACAGCCTTCTGGTTCAGTTCAGGAACCTGAGCCACAATG
AACCGCACATGCCACAAAACGCCAGTTTTCCCGATTCTTCCACCAACCCAACAACGCTCCTTTCCCTT
ATCTCCTAACAGCCCCTATCCTCCTTCCCTGCTAGCAGCACATATCCCAACTCCCAGCAAGCTCTGGA
CCTGGAAGTCCATTTCAACTCCCAGCTGACACCCCTCCCCTGCCTATATGCCACCTGATGATCAGATGG
CCCCAGATAATCCCAGCCTATGGATACAAGCAGTAACATGATTCCTCAGACCATGCCAGCATATCCAG
CAGAGATGTT CAGCCTGTCGCCTATGAGGAGCCAAACACTGGTGTTCGATTGTCTACTATGAATTAAC
AATCGTGTGGGGAAGCTTTTCATGCATCTTCTACTAGTGTGTTAGTAGATGGATTTACAGATCCTTCAA
ATAACAAAAGTAGATTCTGCCTGGGATTGTTGTCAAATGTTAATCGTAATCAACTATTGAAAACACTAG
GCGGCATATTGGAAAAGGTGTTCACTATACTACGTTGGTGGGAGGTGTACGTGAGTGTCTTAGTGAC
AGCAGCATCTTTGTTTCAGAGTAGGAAGTCAACTTTCCACATGGCTTCCATCCCACCACCGTCTGTAAAG
TCCCCAGCAGCTGCAGCCTCAAGATTTTTAACAATCAGGAGTTTGCTCAGCTTCTGGCTCAGTCAGTCAA
CCATGGATTTCGAGGCTGTGTATGAGCTACCAAGATGTGTACCATTGGAATGAGCTTTGTCAAGGCTGG
GGAGCAGAGTACCACCGACAGGACGTCACCAGTACTCCCTGCTGGATTGAGATTCACCTCCACGGGCCTC
TGCAGTGGCTGGATAAAGTCCTTACTCAGATGGCTCTCCGCTGAACCCATTCTTCTGTTTCATAG
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Chromatograms: https://cdn.origene.com/chromatograms/ja2020_d12.zip



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Restriction Sites:	Sgfl-Mlul
ACCN:	NM_008541
Insert Size:	1398 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	<ol style="list-style-type: none">1. Centrifuge at 5,000xg for 5min.2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.3. Close the tube and incubate for 10 minutes at room temperature.4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	BC050001 , AAH50001
RefSeq Size:	6504 bp
RefSeq ORF:	1398 bp
Locus ID:	17129
UniProt ID:	P97454
Cytogenetics:	13 30.12 cM
Gene Summary:	<p>Transcriptional modulator activated by BMP (bone morphogenetic proteins) type 1 receptor kinase. SMAD5 is a receptor-regulated SMAD (R-SMAD) (By similarity). Required for angiogenesis.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (1) uses an alternate splice site in the 5' UTR, compared to variant 2. Variants 1, 2, and 3 all encode the same protein.</p>