

Product datasheet for **MR207430**

Smad5 (NM_001164042) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Smad5 (NM_001164042) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Smad5
Synonyms:	1110051M15Rik; AI451355; Dwf-C; Madh5; MusMLP
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR207430 representing NM_001164042
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGACGTCAATGGCCAGCTTGTCTTCTCACTAGTCCAGCCGTGAAGCGATTGTTGGGCTGGAACAAG
 GTGACGAGGAAGAGAAATGGGCAGAAAAGCAGTGGATGCTTTAGTGAAAAGCTGAAGAAGAAGAGGG
 TGCTATGGAGGAGCTGGAGAAAGCCTTGAGCAGCCAGGACAGCCAAGCAAGTGTGTACAGATCCCCAGG
 TCCTTGGATGGACGTCTGCAAGTTTCTCACAGGAAAGGCTTGCCCATGTTATATATTGCCGTGTTTGGC
 GCTGGCCAGATTTGCAGAGCCATCACGAGCTAAAACCATGGATATTTGTGAATTTCTTTTGGATCTAA
 GCAAAAGGAAGTTTGTATCAATCCATACCACTATAAGAGAGTGGAGAGTCCAGTCTTACCTCCAGTATTA
 GTGCCCTCGTCACAATGAATTCATCCACAACACAGCCTTCTGGTTCAGTTCAGGAACCTGAGCCACAATG
 AACCGCACATGCCACAAAACGCCAGTTTCCCATTCTTCCACCAACCAACAACGCTCCTTTCCCCTT
 ATCTCCTAACAGCCCCTATCCTCCTTCCCCTGCTAGCAGCACATATCCAACTCCCAGCAAGCTCTGGA
 CCTGGAAGTCCATTTCAACTCCCAGCTGACACCCCTCCCCTGCCTATATGCCACCTGATGATCAGATGG
 CCCAGATAAATCCCAGCCTATGGATACAAGCAGTAACATGATTCCTCAGACCATGCCCAGCATATCCAG
 CAGAGATGTTACGCTGTGCGCTATGAGGAGCCAAAACACTGGTGTTCGATTGTCTACTATGAATTAAC
 AATCGTGTGGGGAAGCTTTTATGCATCTTCTACTAGTGTGTTAGTAGATGGATTTACAGATCCTTCAA
 ATAACAAAAGTAGATTCTGCCTGGGATTGTTGTCAAATGTTAATCGTAATTCAACTATTGAAAACACTAG
 GCGGCATATTGAAAAGGTGTTTCTACTACTACGTTGGTGGGGAGGTGTACGCTGAGTGTCTTAGTGAC
 AGCAGCATCTTTGTTTTCAGAGTAGGAAGTCAACTTTTACCATGGCTTCCATCCCACCACCGTCTGTAAGA
 TCCCCAGCAGCTGCAGCCTCAAGATTTTAAACAATCAGGAGTTTGCTCAGCTTCTGGCTCAGTCAAGCA
 CCATGGATTTCGAGGCTGTGTATGAGCTCACCAAGATGTGTACCATTTCGAATGAGCTTTGTCAAGGCTGG
 GGAGCAGAGTACCACCGACAGGACGTCACCAAGTACTCCCTGCTGGATTGAGATTCACCTCCACGGGCCTC
 TGCAAGTGGCTGGATAAAGTCTTACTCAGATGGCTCTCCGCTGAACCCATTCTTCTGTTTCA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR207430 representing NM_001164042
 Red=Cloning site Green=Tags(s)

MTSMASLFSFTSPAVKRLLGWKQGDEEEKWAEKAVDALVKKLLKKKKGAMEELEKALSSPGQPSKCVTIPR
 SLDGRLQVSHRKLPHVIYCRVWRWPDLSHHEKPLDICEFPFGSKQKEVCINPYHYKRVEPVLPPVL
 VPRHNEFNPQHSLLVQFRNLSHNEPHMPQNAFPDPSFHQPNNAPFPLSPNSPYPPSPASSTYPNSPASSG
 PGSPFQLPADTPPPAYMPPDDQMAPDNSQPMDTSSNMIPQTMPSISSRDVQPVAYEEPKHWCSIVVYELN
 NRVGEAFHASSTSVLVDGFTDPSNNKSRFCLGLLSNVNRNSTIENTRRRIGKGVHLYYVGGEVYAECLSD
 SSIFVQSRNCFHHGFHPTTVCKIPSSCSLKFNNQEFQLLAQSVNHGFEAVYELTKMCTIRMSFVKGW
 GAEYHRQDVTSTPCWIEIHLHGPLQWLDKVLQMGSPLNPISSVS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mm9036_a06.zip

Restriction Sites:

Sgfl-Mlul

RefSeq: [NM_001164042.1](#), [NP_001157514.1](#)

RefSeq Size: 6608 bp

RefSeq ORF: 1398 bp

Locus ID: 17129

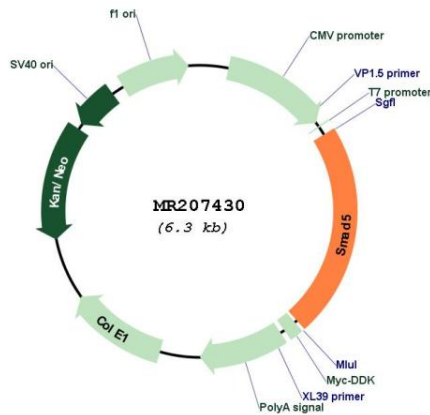
UniProt ID: [P97454](#)

Cytogenetics: 13 30.12 cM

MW: 52.6 kDa

Gene Summary: 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]

Product images:



Circular map for MR207430