

Product datasheet for **MR203197**

Wisp2 (NM_016873) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Wisp2 (NM_016873) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Wisp2
Synonyms:	Ccn5; Crgr4; Ctgfl; Rcop1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR203197 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAGGGGCAACCCACTGATCCATCTTCTGGCCATTTCTTCCTCTGCATTCTCTCAATGGTGTATGCC
AGCTGTGCCAGCACCCCTGTGCCTGTCTTGGACACCACCCAGTGCCACCGGGGTACCCCTGGTGT
GGATGGCTGTGGCTGCTGCGAGTGTGTCACGGAGGCTGGGGGAGTCTGCGACCCTGCATGTCTGC
AACCCAGCCAGGGCCTGGTTTGTGAGCCTGGGGCAGGCCAGTGCCCGTGGTGTGTGTGCCTCTTCG
AAGAGGATGACGGGAGCTGTGAGGTGAACGGCCGAGGTACCTGGATGGGAGACCTTTAAACCAATTG
CAGGGTTTTGTGCCGCTGTGATGACGGTGGTTTACCTGCCTGCCGCTGTGCAAGTGGAGATGTGCCGCTG
CCCAGCTGGGACTGCCACGCCCCAGGAGAATACAGGTGCCAGGAAGGTGCTGCCCGAGTGGGTGTGTG
ACCAGGCAGTGTGACGCCGGAATCCAGCCCTCCTCAGCCCAAGGACACCAACTTTCTGCCCTGTGAC
TCCTGCATCTGCCGATGGCCCTGTCCAACTGGAGCACAGCCTGGGGCCCTGCTCAACCACCTGTGGG
TTGGGCATAGCCACCCGAGTATCCAACCAGAACCATTCTGCCAACTGGAGATCCAGCGTCGCCTGTGTC
TGTCCAGACCTGCCTGGCATCCAGGAGCCACGGCTCATGGAACAGTGCCTTC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR203197 protein sequence
Red=Cloning site Green=Tags(s)

MRGNPLIHLLAISFLCILSMVYAQLCPAPCACPWTPPQCPPGVPLVLDGCGCCRVCCARRLGESCDHLHVC
 NPSOGLVCQPGAGPSGRGVVCLFEEDGSGSEVNGRRYLDGETFKPNCRVLCRCDDGGFTCLPLCSEDVRL
 PSWDCPRPRRIQVPGRCCEWVCDQAVMQPAIQSSAQGHQLSALVTPASADGPCPNWSTAWGPCSTTCG
 LGIATRVSQNRFQLEIQRRLLSRPCLASRSHGWSNSAF

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_016873

ORF Size: 756 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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:

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: [NM_016873.1](#), [NM_016873.2](#), [NP_058569.1](#)

RefSeq Size: 1784 bp

RefSeq ORF: 756 bp

Locus ID: 22403

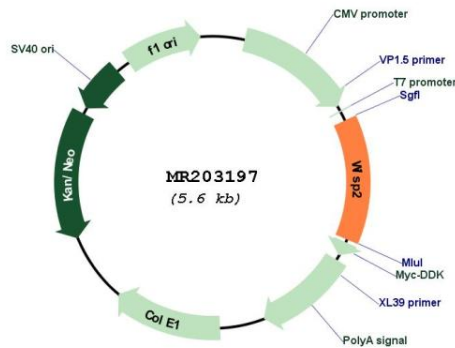
UniProt ID: [Q9Z0G4](#)

Cytogenetics: 2 H3

MW: 27.1 kDa

Gene Summary: May play an important role in modulating bone turnover. Promotes the adhesion of osteoblast cells and inhibits the binding of fibrinogen to integrin receptors. In addition, inhibits osteocalcin production (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR203197