

Product datasheet for **MG203197**

Wisp2 (NM_016873) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Wisp2 (NM_016873) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Wisp2
Synonyms:	Ccn5; Crgr4; Ctgfl; Rcop1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG203197 representing NM_016873 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAGGGGCAACCCACTGATCCATCTTCTGGCCATTTCTTCCTCTGCATTCTCTCAATGGTGTATGCC
AGCTGTGCCAGCACCCGTGCCTGTCTTGGACACCACCCAGTGCCACCGGGGTACCCCTGGTGCT
GGATGGCTGTGGCTGCTGCGAGTGTGTCACGGAGGCTGGGGGAGTCTGCGACCCTGCATGTCTGC
AACCCAGCCAGGGCCTGGTTTGTGAGCCTGGGGCAGGCCAGTGCCCGTGGTGTGTGTGCCTCTTCG
AAGAGGATGACGGGAGCTGTGAGGTGAACGGCCGAGGTACCTGGATGGGAGACCTTTAAACCAATTG
CAGGGTTTTGTGCCGCTGTGATGACGGTGGTTTACCTGCCTGCCGCTGTGCAAGTGGAGATGTGCCGCTG
CCCAGCTGGGACTGCCACGCCCCAGGAGAATACAGGTGCCAGGAAGGTGCTGCCCGAGTGGGTGTGTG
ACCAGGCAGTGTGACGCCGGAATCCAGCCCTCCTCAGCCCAAGGACACCAACTTTCTGCCCTGTGAC
TCCTGCATCTGCCGATGGCCCTGTCCAACTGGAGCACAGCCTGGGGCCCTGCTCAACCACCTGTGGG
TTGGGCATAGCCACCCGAGTATCCAACCAGAACCATTCTGCCAACTGGAGATCCAGCGTCGCCTGTGTC
TGTCAGACCTGCCTGGCATCCAGGAGCCACGGCTCATGGAACAGTGCCTTC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG203197 representing NM_016873
 Red=Cloning site Green=Tags(s)

MRGNPLIHLIAISFLCILSMVYAQLCPAPCACPWTPPQCPPGVPLVLDGCGCCRVCCARRLGESCDHLHVC
 NPSOGLVCQPGAGPSGRGVVCLFEEDGSGSEVNGRRYLDGETFKPNCRVLCRCDDGGFTCLPLCSEDVRL
 PSWDPCRPRRIQVPGRCCEWVCDQAVMQPAIQPSSAQGHQLSALVTPASADGPCPNWSTAWGPCSTTCG
 LGIATRVSQNRFQLEIQRRLLCLSRPCLASRSHGWSNSAF

TRTRPLE - GFP Tag - V

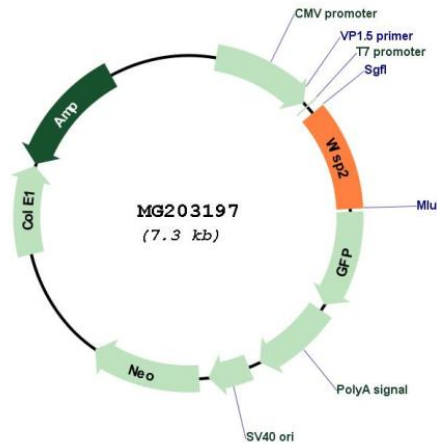
Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



Plasmid Map:



ACCN: NM_016873

ORF Size: 753 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:	<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:	NM_016873.1 , NP_058569.1
RefSeq Size:	1734 bp
RefSeq ORF:	756 bp
Locus ID:	22403
UniProt ID:	Q9Z0G4
Cytogenetics:	2 H3
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]