

Product datasheet for MR205645

Wisp1 (NM_018865) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Wisp1 (NM_018865) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Wisp1
Synonyms:	AW146261; CCN4; Elm1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR205645 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAGGTGGCTCCTGCCCTGGACGCTGGCAGCCGTGGCAGTCCTGAGGGTGGGCAACATCCTGGCCACGG
CCCTCTCTCCAACCCCAACAATGACCTTACCCACGACCACTAGAGGAAACGACTACACGCCCCGA
ATTCTGCAAGTGGCCATGTGAGTGCCACAATCCACCTCGCTGCCACTGGGCGTCAGCCTAATCACA
GATGGCTGTGAATGCTGTAAGTACGTGCCAGCAGCTTGGGACAACGACAGAGGCTGCCATCTGTG
ACCCACACGGGGCCTCTACTGCGATTACAGTGGGATCGCCGAGGTACGCAATAGGAGTGTGTGCACA
GGTGGTCGGTGTGGGCTGTGTCCTGGATGGCGTACGCTACACCAATGGCGAGTCCTTCCAACCAACTGC
AGGTACAACGTACCTGCATTGATGGCACGGTGGGCTGCACACCGCTGTGCCAAGCCCCAGGCCCCAC
GCCTCTGGTGCCGCCAGCCCCGGCACGTGAGAGTCCCTGGCCAGTGTGTGAGCAGTGGGTGTGTGATGA
TGACGCAAGGAGACCAGCCAGACTGCACTGTTGGCACCAGAGCCTTTGCAGCGTCAGGCGCCGTGGAG
CAACGGTATGAGAACTGCATAGCCTACACTAGTCCCTGGAGCCCTGCTCTACCACCTGTGGCCTAGGTA
TCTCCACTCGGATCTCTAACGTCAATGCCCGGTGCTGGCCAGAGCAGGAAAGTGCCTCTGCAACCTGCG
GCCATGTGATGTGGACATCCAACACTACACATCAAGCAGGGAAGAAATGCCTGGCTGTGTACCAGCCAGAG
GAGGCCACGAACCTCACTCTCGCAGGCTGTGTCAGCACACGACCTACCGACCAAGTACTGCGGAGTCT
GTACTGACAATAGGTGTTGCATCCCTACAAGTCCAGGACCATCAGTGTGGATTTCCAGTGTCCAGAGGG
GCCAGTTTCTCCCGCAGGTCCTATGGATTAATGCTTGCTTCTGCAACCTGAGCTGCAGGAATCCTAAC
GATATCTTTGCTGACTTGAATCTTACCCTGACTTCGGAGAGATTGCCAAT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTAA



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Protein Sequence: >MR205645 protein sequence
 Red=Cloning site Green=Tags(s)

MRWLLPWTLAAVAVLRVGNILATALSPTPTMTFTAPLEETTRPEFCKWPCECPQSPPRCPLGVSLIT
 DGCECCCKIRAQQLGDNCTEAAICDPHRGLYCDYSGDRPRYAIGVCAQVVGVCVLDGVRYTNGESFQPNC
 RYNCTCIDGTVGCTPLCLSPRPRLWCRQPRHVRVPGQCCEQWVCDARRRPRQTALLGTRAF AASGAVE
 QRYENCIAYTSPWSPCSTTCGLGISTRISNVNARCWPEQESRLCNLRPCDVDIQLHIKAGKKCLAVYQPE
 EATNFTLAGCVSTRTYRPKYCGVCTDNRCCIPYKSRTISVDFQCPEPGFSRQVLWINACFCNLSCRNP
 DIFADLESYPDFGEIAN

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_018865

ORF Size: 1104 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_018865.1](#), [NM_018865.2](#), [NP_061353.1](#)

RefSeq Size: 5022 bp

RefSeq ORF: 1104 bp

Locus ID: 22402

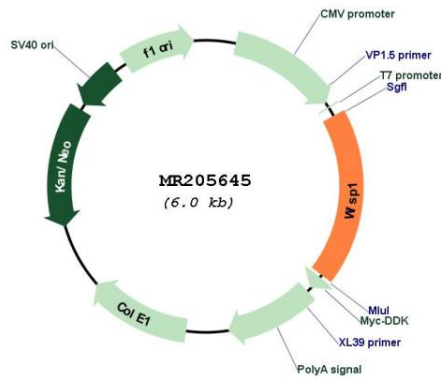
UniProt ID: [O54775](#)

Cytogenetics: 15 29.3 cM

MW: 40.7 kDa

Gene Summary: Downstream regulator in the Wnt/Frizzled-signaling pathway (By similarity). Associated with cell survival. Adheres to skin and melanoma fibroblasts (By similarity). In vitro binding to skin fibroblasts occurs through the proteoglycans, decorin and biglycan (By similarity). Suppresses tumor growth in vivo.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR205645