

Product datasheet for MR205756

Wnt5b (NM_009525) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Wnt5b (NM_009525) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Wnt5b
Synonyms:	AW545702; Wnt-5b
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR205756 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTTGGTCCCAGGGCATTGGGATGGGTTGAGGCCGCCATGCCAGCCTGCTGCTGGTGGTCTGGGCAG
CTCTGCTCTCCAGCTGGGCACAGCTGCTGACTGACGCCAACTCCTGGTGGTCACTAGCTCTGAACCCAGT
GCAGAGACCGGAGATGTTTCATCATTGGCGCTCAGCCCGTGTGCAGCCAACTTCTGGGCTTTCCCCAGGC
CAGAGAAAGCTGTGTGAGTTGTATCAGGAGCACATGTCTACATCGGGGAGGGAGCCAAGACGGGCATCA
GAGAGTGCCAACACCAGTTTCGACAGAGGCGCTGGAAGTGCAGCACCGTGGACAACACATCTGTCTTTGG
CAGAGTTATGCAGATAGGTAGCCGAGAGACTGCCTTACGTATGCAGTGAGCGCCGCTGGCGTGGTGAAT
GCCATCAGCCGAGCCTGCAGAGAGGGTGAAGTGTCCACCTGTGGCTGCAGCCGTGCTGCGAGGCCAAGG
ACCTGCCTCGGGACTGGCTGTGGGGTGGCTGTGGAGACAACGTGGAGTACGGCTACCGCTTTGCCAAGGA
GTTTGTGGATGCCCGAGAGCGTGAGAAGAACTTGGCAAGGGATCGGAGGAGCAGGGCCGAGCTCTCATG
AACCTACAGAACAACGAGGCTGGCCGCCGGCCGTGTATAAGATGGCTGATGTCGCTGCAAATGTCACG
GAGTCTCCGGTCTGCAGCCTCAAGACCTGTGGCTCCAGCTGGCCGAGTCCGCAAGGTTGGGGACCG
TTTGAAGGAGAAGTACGACAGCGCCCGGCCATGCGCATACCCGCCAGGGCAAGCTGGAGCTGGCCAAC
AGCCGCTTCAACCAGCCACCCAGAGGACCTGGTCTACGTGGACCCAGTCTGACTACTGCTTGGCTA
ATGAGACCACAGGCTCCCTGGGCACCCAGGGTCGCCTCTGCAACAAGACCTCAGAGGGCATGGACGGCTG
CGAGCTCATGTGCTGTGGCCGCGCTATGACCGCTTCAAGAGCGTTCAGGTGGAACGCTGCCACTGCAGG
TTCCACTGGTGTGCTTTGTCAGATGCAAAAAATGCACCGAGGTTGTGGACCAGTATGTCTGTAAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTAA



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Protein Sequence: >MR205756 protein sequence
 Red=Cloning site Green=Tags(s)

MLVPGHWDGLRPAMPSSLLL VVVAALLSSWAQLLTDANSWWSLALNPVQRPEMFIIGAQPVCSQLPGLSPG
 QRKLCQLYQEHMSYIGEGAKTGIRECQHFRQRWNCSTVDNTSVFGRVMQIGSRETAFTYAVSAAGVNV
 AISRACREGELSTCGCSRAARPKDLPRDWLWGGCGDNVEYGYRFAKEFVDAREREKNFAKGSEEQGRALM
 NLQNNEAGRRAVYKMDVACKCHGVSGSCLKTCWLQLAEFRKVGDRLEKEYDSAAMRITRQGLKELAN
 SRFNQPTPEDLVYVDPSPDYCLRNETTGLSLGTQGRLECNKTSEGMDGCELMCCGRGYDRFKSVQVERCHCR
 FHWCCFVRCKKCTEVVDQYVCK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_009525

ORF Size: 1119 bp

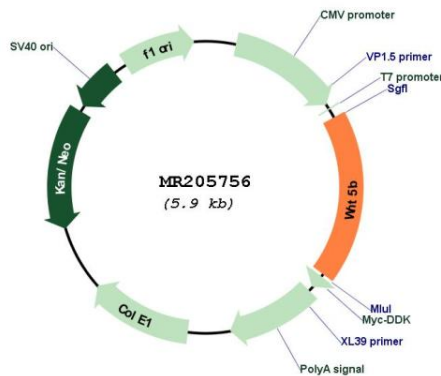
OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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_009525.3](#)
- RefSeq Size:** 2384 bp
- RefSeq ORF:** 1080 bp
- Locus ID:** 22419
- UniProt ID:** [P22726](#)
- Cytogenetics:** 6 56.86 cM
- MW:** 41.8 kDa
- Gene Summary:** Ligand for members of the frizzled family of seven transmembrane receptors. Probable developmental protein. May be a signaling molecule which affects the development of discrete regions of tissues. Is likely to signal over only few cell diameters.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR205756