

Product datasheet for **MR229447**

Wnt11 (NM_001285792) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Wnt11 (NM_001285792) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Wnt11
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR229447 representing NM_001285792
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAGGGCGCGGCCGAGGTCTGCGAGGCTCTGCTCTTTGCCTTGGCGCTCCACACCGCGTGTGCTATG
GCATCAAGTGGCTGGCACTGTCCAAGACTCCGGCAGCCTTGGCACTGAATCAGACGCAACTGTAAACA
GCTGGAGGGCTGGTGTCTGCGCAGGTGCAGCTCTGCCGACCAACCTGGAGCTCATGCCACCATCGTG
CACGCCGCCCGGGGGCCATGAAGGCCTGCCGTAGGGCCTTCGCTGACATGCGCTGGAAGTGTCTCTCCA
TCGAGCTCGCCCCAACTACCTGCTTGACCTGGAGAGAGGTACACGGGAGTCAGCCTTCGTGTATGCCCT
GTCGGCCGCCACCATCAGTCACACCATCGCCCGGGCCTGCACCTCTGGCGACCTGCCCGGCTGCTCCTGC
GGCCCCGTCCCAGGTGAGCCACCCGGGCCCGGAACCGCTGGGGAGGATGTGCGGACAACCTCAGCTACG
GGCTCCTCATGGGGCCAAGTTTTCCGATGCTCCTATGAAGGTGAAAAAACAGGATCCCAAGCCAATAA
ACTGATGCGTCTACACAACAGTGAAGTGGGGAGACAGGCTCTACGTGCCTCCCTGGAAACGAAGTGTAAA
TGCCATGGGGTGTCTGGCTCCTGCTCCATCCGCACCTGTTGGAAGGGGCTGCAAGAGCTCCAGGACGTGG
CTGCTGACCTCAAGACCCGCTACCTGTCAGCCACGAAGTGGTACACCGGCTATGGGCACCCGCAACA
CTTGGTGCCCAAGGACCTGGATATCCGGCCTGTGAAGGACTCAGAAGTGTGTATCTACAGAGCTCCCT
GACTTCTGCATGAAGAATGAGAAGTGGGATCCCATGGGACCAAGACAGGCAGTGAACAAGACTTCCA
ACGGCAGTGACAGCTGCGACCTCATGTGCTGTGGGCGCGGCTACAACCCCTACACGGACAGAGTGGTGGA
GCGATGTCAAGTACCAGTGGTGTGCTACGTACCTGCCGAGGTGTGAGCGCACGGTGGAGCGC
TACGTCTGCAAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR229447 representing NM_001285792
Red=Cloning site Green=Tags(s)

MRARPQVCEALLFALALHTGVCYGIKWLALSKTPAALALNQTQHCKQLEGLVSAQVQLCRSNLELMRTIV
 HAARGAMKACRRAFADMRWNCSSIELAPNYLLDLERGTRESAFVYALSAATISHTIARACTSGDLPGCSC
 GPVPGPEPPGPNRWGGCADNLSYGLLMGAKFSDAPMKVKKTG SQANKLMRLHNSEVGRQALRASLETCKK
 CHGVSGSCSIRTCWKGLQELQDVAADLKTRYLSATKVVHRPMTGRKHLVPKDLDIRPVKDSSELVYLQSSP
 DFCMKNEKVGSHGTQDRQCNKTSNGSDSCDLMCCGRGYNPYTDRVVERCHCKYHWCCYVTCRRCERTVER
 YVCK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001285792

ORF Size: 1062 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_001285792.1](#), [NP_001272721.1](#)

RefSeq Size: 3022 bp

RefSeq ORF: 1065 bp

Locus ID: 22411

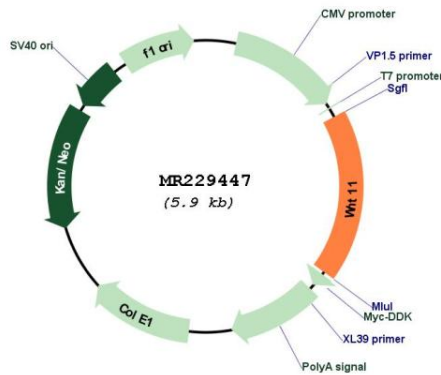
UniProt ID: [P48615](#)

Cytogenetics: 7 53.9 cM

MW: 39.1 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 MR229447