

Product datasheet for **MG223281**

Wnt11 (NM_009519) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Wnt11 (NM_009519) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Wnt11
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG223281 representing NM_009519 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAGGGCGCGGCCGAGGTCTGCGAGGCTCTGCTCTTTGCCTTGGCGCTCCACACCGGCGTGTGCTATG
GCATCAAGTGGCTGGCACTGTCCAAGACTCCGGCAGCCTTGGCACTGAATCAGACGCAACACTGTAAACA
GCTGGAGGGCTGGTGTCTGCGCAGGTGCAGCTCTGCCGAGCAACCTGGAGCTCATGCGCACCATCGTG
CACGCCGCCCGGGGGCCATGAAGGCCTGCCGTAGGGCCTTCGCTGACATGCGCTGGAAGTGTCTCTCCA
TCGAGCTCGCCCCAACTACCTGCTTGACCTGGAGAGAGGTACACGGGAGTCAGCCTTCGTGTATGCCCT
GTCGGCCGCCACCATCAGTCACACCATCGCCCGGGCCTGCACCTCTGGCGACCTGCCCGGCTGCTCCTGC
GGCCCCGTCCCAGGTGAGCCACCCGGGCCCGGAACCGCTGGGGAGGATGTGCGGACAACCTCAGCTACG
GGCTCCTCATGGGGCCAAGTTTTCCGATGCTCCTATGAAGGTGAAAAAACAGGATCCCAAGCCAATAA
ACTGATGCGTCTACACAACAGTGAAGTGGGGAGACAGGCTCTACGTGCCTCCCTGGAAACGAAGTGTAAA
TGCCATGGGGTGTCTGGCTCCTGCTCCATCCGCACCTGTTGGAAGGGGCTGCAAGAGCTCCAGGACGTGG
CTGCTGACCTCAAGACCCGCTACCTGTCAGCCACGAAGTGGTACACCGGCTATGGGCACCCGCAACA
CTTGGTGCCCAAGGACCTGGATATCCGGCCTGTGAAGGACTCAGAACTTGTGTATCTACAGAGCTCCCCT
GACTTCTGCATGAAGAATGAGAAGTGGGATCCCATGGGACCAAGACAGGCAGTGAACAAGACTTCCA
ACGGCAGTGACAGCTGCGACCTCATGTGCTGTGGGCGCGGCTACAACCCCTACACGGACAGAGTGGTGGA
GCGATGTCAAGTACCAGTGGTGTGCTACGTACCTGCCGAGGTGTGAGCGCACGGTGGAGCGC
TACGTCTGCAAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG223281 representing NM_009519
 Red=Cloning site Green=Tags(s)

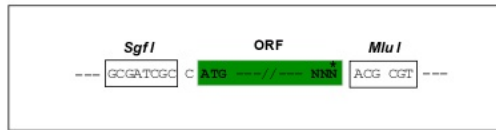
MRARPQVCEALLFALALHTGVCYGIKWLALSKTPAALALNQTQHCKQLEGLVSAQVQLCRSNLELMRTIV
 HAARGAMKACRRAFADMRWNCSSIELAPNYLLDLERGTRESAFVYALSAATISHTIARACTSGDLPGCSC
 GPVPGPEPPGPNRWGGCADNLSYGLLMGAKFSDAPMKVKKTGSSQANKLMRLHNSEVGRQALRASLETCKK
 CHGVSGSCSIRTCWKGLQELQDVAADLKTRYLSATKVVHRPMTGRKHLVPKDLDIRPVKDSSELVYLQSSP
 DFCMKNEKVGSHGTQDRQCNKTSNGSDSCDLMCCGRGYNPYTDRVVERCHCKYHWCCYVTCRRCERTVER
 YVCK

TRTRPLE - GFP Tag - V

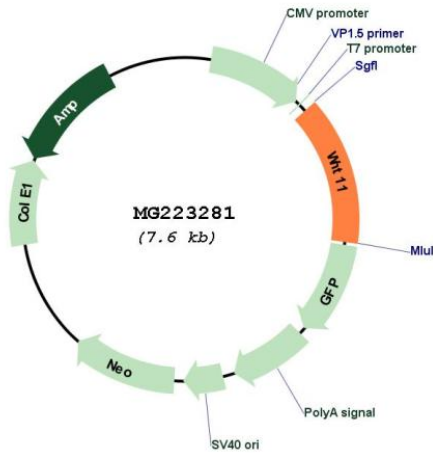
Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



Plasmid Map:



ACCN: NM_009519

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:	<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_009519.2 , NP_033545.1
RefSeq Size:	2788 bp
RefSeq ORF:	1065 bp
Locus ID:	22411
UniProt ID:	P48615
Cytogenetics:	7 53.9 cM
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]