

Product datasheet for MR222492

Wnt3 (NM_009521) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Wnt3 (NM_009521) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Wnt3
Synonyms: Int-4; Wnt-3
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR222492 representing NM_009521
 Red=Cloning site Blue=ORF Green=Tags(s)

CTATAGGGCGGCCGGAATTCGTGCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGAGCCCCACCTGCTCGGGCTGCTACTCGGCCCTCTGCTCAGTGGCACCAGGGTCTCGCTGGCTACC
 CAATTTGGTGGTCCCTGGCCCTGGGCCAGCAGTACACATCTCTGGCTCCAGCCTCTGCTCTGCGGCTC
 CATCCCAGGCCTGGTCCCAAGCAACTGCGCTTCTGCCGAATTACATCGAGATCATGCCAGCGTAGCA
 GAAGGTGTGAAGCTGGGCATCCAGGAGTGCCAGCATCAGTTCGGGGCCCGGGTGAAGTGTACCACCA
 TAGATGACAGCCTGGCCATCTTTGGCCCTGCTTGGACAAGCCACCCGTGAATCGGCCCTTCGTGCATGC
 CATCGCCTCGGCTGGTGTGCGCTTCGCAGTCACACGCTCCTGCGCTGAGGGAACCTCCACCATCTGCGGC
 TGTGACTCACATCATAAGGGGCCACCTGGAGAAGGCTGGAAGTGGGGCGGCTGCAGCGAGGACGCCGACT
 TCGGGGTGCTGGTGTCCCGGGAATTTGCGGATGCGCGGGAGAACAGGCCAGATGCCCGCTCAGCTATGAA
 CAAGCACAACAATGAAGCAGGCCGAACGACCATCCTGGACCACATGCACCTAAAGTGTAAATGCCACGGG
 TTGTCCGGCAGCTGCGAGGTGAAGACCTGCTGGTGGGCCAGCCCGACTTCCGTGCCATTGGCGACTTCC
 TCAAGGACAAGTACGACAGTGCCTCCGAGATGGTGGTGGAGAAACACCGTGAGTCCCGAGGCTGGGTGGA
 GACCTTGGGGCTAAGTACGCGCTTCAAGCCACCCACCGAGAGGGACCTGGTCTACTACGAGAACTCC
 CCCAATTTTGTGAGCCCAACCCAGAGACGGGCTCCTTTGGTACCAGGGACCGGACTTGCAATGTCACCT
 CCCACGGCATCGATGGCTGCGATCTGCTGTGCTGTGGCCGGGGCCACAACACGAGGACGGAGAAACGGAA
 GGAGAAATGCCATTGCGTCTTCCACTGGTGTCTATGTCAGCTGCCAAGAGTGATTTCGCATCTACGAT
 GTGCACACCTGCAAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCTGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI



[View online >](#)

Cloning Scheme:


ACCN: NM_009521

ORF Size: 1065 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.

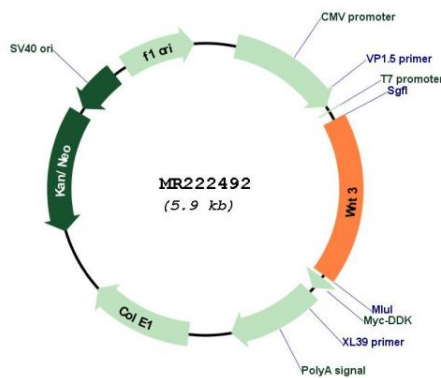
Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

- 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_009521.2, NP_033547.1](#)
RefSeq Size: 3115 bp
RefSeq ORF: 1068 bp
Locus ID: 22415
UniProt ID: [P17553](#)
Cytogenetics: 11 67.5 cM
MW: 40.1 kDa

Gene Summary: Ligand for members of the frizzled family of seven transmembrane receptors (Probable). Functions in the canonical Wnt signaling pathway that results in activation of transcription factors of the TCF/LEF family (By similarity). Required for normal gastrulation, formation of the primitive streak, and for the formation of the mesoderm during early embryogenesis (PubMed:10431240). Required for normal formation of the apical ectodermal ridge and for normal embryonic limb development (PubMed:12569130).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR222492