

Product datasheet for MR222111

Wnt8a (NM_009290) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Wnt8a (NM_009290) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Wnt8a
Synonyms:	Stra11; Wnt-8A; Wnt-8D; Wnt8d
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR222111 representing NM_009290 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGGACACTTGTTAATGCTGTGGGTGGCTGCGGGCATGTGCTATCCAGCCCTGGGTGCTTCTGCCTGGT
CAGTGAACAACTCCTGATAACCGGTCCCAAGGCCTATCTGACCTACACCGCCAGTGTGGCCTTGGGAGC
TCAGATTGGCATCGAAGAGTGTAAGTCCAGTTTGCCTGGGAACGGTGAATTGCCTGAGCATGCTTTT
CAGTTTTCAACCCACAACAGGCTGCGAGCTGCCACGAGAGAGACATCCTTCATTCATGCCATCCGCTCTG
CTGCCATCATGTACGCAGTCACCAAGAAGTGCAGCATGGGTGACTTGGAAAAGTGCAGGCTGTGACGAGTC
ACAAAATGGAAAAACAGGTGGCCATGGCTGGATCTGGGGAGGCTGCAGCGACAACGTGGAGTTCCGGGAA
AAAATCTCCAGACTCTTCGTGGACAGTTTGGAGAAAGGGAAGGATGCCAGAGCCCTGGTGAACCTTCACA
ACAACAGGGCCGGCAGACTGGCAGTGAGGGCCTCCACGAAAAGGACCTGCAAGTGTGCATGGCATCTCAGG
AAGCTGCAGCATCCAGACGTGTTGGCTGCAGCTGGCTGACTTCCGGCAGATGGGAAATTACCTAAAGGCC
AAGTATGACCGCGCGCTGAAAATTGAGATGGACAAGCGCCAGCTAAGGGCTGGCAACAGAGCCGAGGGCC
GCTGGGCTCTCACGGAGGCCTTCCTTCCAGCACAGAGGCTGAGCTGATCTTCTTAGAGGGGTCTCCTGA
CTACTGCAACCGCAACGCCAGCCTGAGCATCCAGGGCACAGAGGGGAGGGAGTGCCTGCAGAATGCCCGC
AGTGCTTCCCGGGGGAGCAGCGCAGCTGTGGCGCCTGTGCAGGAGTGCAGGCTGCAGGTGGAGGAGA
GGAGAGCAGAGGCGGTGAGCAGCTGTGACTGCAACTTTCAGTGGTGTGCACTGTCAAGTGTGGCCAGTG
CAGGCGTGTGGTGAAGATACTACTGCACACGCCCTGTAGGTAGTGCCAGGCCCGGGGAGGGGCAAG
GACAGTGCTGG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR222111 representing NM_009290
Red=Cloning site Green=Tags(s)

MGHLLMLWVAAGMCPALGASAWSVNNFLITGPKAYLTYASVALGAQIGIEECKFQFAWERWNCPEHAF
 QFSTHNRLRAATRETSFIHAIRSAAIMYAVTKNCMGMLENCGCDESQNGKTGGHGWIWGGCSDNVEFGE
 KISRLFVDSLEKGDARALVNLHNNRAGRLAVRASTKRTCKCHGISGSCSIQTCWLQLADFRQMGNYLKA
 KYDRALKIEMDKRQLRAGNRAEGRWALTEAFLPSTEAEILFLEGPSDYCNRNASLSIQGTEGRECLQAR
 SASRREQRSCGRLCTEGLQVEERRAEAVSSDCNFQWCCTVKCGQCRRVVSRYCYTRPVG SARPRGRGK
 DSAW

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9007_c07.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



* The last codon before the Stop codon of the ORF

ACCN: NM_009290

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_009290.2](#), [NP_033316.1](#)

RefSeq Size: 1519 bp

RefSeq ORF: 1065 bp

Locus ID: 20890

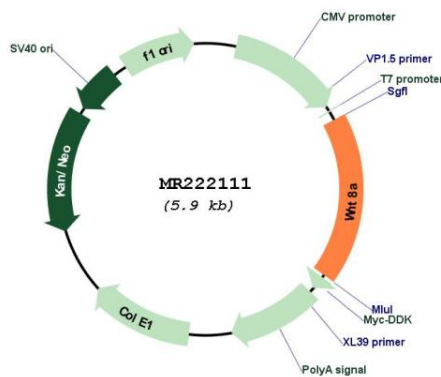
UniProt ID: [Q64527](#)

Cytogenetics: 18 B1

MW: 39.9 kDa

Gene Summary: Ligand for members of the frizzled family of seven transmembrane receptors. Plays a role in embryonic patterning.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR222111