

## Product datasheet for **MG222111**

### Wnt8a (NM\_009290) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Wnt8a (NM_009290) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Wnt8a
Synonyms:	Stra11; Wnt-8A; Wnt-8D; Wnt8d
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG222111 representing NM_009290 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCCGCC**CGATCGCC**

ATGGGACACTTGTTAATGCTGTGGGTGGCTGCGGGCATGTGCTATCCAGCCCTGGGTGCTTCTGCCTGGT  
CAGTGAACAACTCCTGATAACCGGTCCCAAGGCCTATCTGACCTACACCGCCAGTGTGGCCTTGGGAGC  
TCAGATTGGCATCGAAGAGTGTAAGTTCAGTTTGCCTGGGAACGGTGAATTGCCTGAGCATGCTTTT  
CAGTTTTCAACCCACAACAGGCTGCGAGCTGCCACGAGAGAGACATCCTTCATTCATGCCATCCGCTCTG  
CTGCCATCATGTACGCAGTCACCAAGAAGTGCAGCATGGGTGACTTGGAAAAGTGCAGGCTGTGACGAGTC  
ACAAAATGGAAAAACAGGTGGCCATGGCTGGATCTGGGGAGGCTGCAGCGACAACGTGGAGTTCCGGGAA  
AAAATCTCCAGACTCTTCGTGGACAGTTTGAGAAAGGGAAGGATGCCAGAGCCCTGGTGAACCTTCACA  
ACAACAGGGCCGGCAGACTGGCAGTGAGGGCCTCCACGAAAAGGACCTGCAAGTGTGCATGGCATCTCAGG  
AAGCTGCAGCATCCAGACGTGTTGGCTGCAGCTGGCTGACTTCCGGCAGATGGGAAATTACCTAAAGGCC  
AAGTATGACCGCGCGCTGAAAATTGAGATGGACAAGCGCCAGCTAAGGGCTGGCAACAGAGCCGAGGGCC  
GCTGGGCTCTCACGGAGGCCTTCCTTCCAGCACAGAGGCTGAGCTGATCTTCTTAGAGGGGTCTCCTGA  
CTACTGCAACCGCAACGCCAGCCTGAGCATCCAGGGCACAGAGGGGAGGGAGTGCCTGCAGAATGCCCGC  
AGTGCTTCCCGGGGGAGCAGCGCAGCTGTGGCGCCTGTGCACGGAGTGCAGGCTGCAGGTGGAGGAGA  
GGAGAGCAGAGGCGGTGAGCAGCTGTGACTGCAACTTTCAGTGGTGTGCACTGTCAAGTGTGGCCAGTG  
CAGGCGTGTGGTGAAGATACTACTGCACACGCCCTGTAGGTAGTGCCAGGCCCGGGCAGGGGCAAG  
GACAGTGCTGG

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG222111 representing NM\_009290  
 Red=Cloning site Green=Tags(s)

MGHLLMLWVAAGMCPALGASAWSVNNFLITGPKAYLTYTASVALGAQIGIEECKFQFAWERWNCPEHAF  
 QFSTHNRLRAATRETSFIHAIRSAAIMYAVTKNCMGMGLENCGCDESQNGKTGGHGWIIWGGCSDNVEFGE  
 KISRLFVDSLEKGDARALVNLHNNRAGRLAVRASTKRTCKCHGISGSCSIQTCWLQLADFRQMGNYLKA  
 KYDRALKIEMDKRQLRAGNRAEGRWALTEAFLPSTEAEELIFLEGSPTYCNRNASLSIQGTEGRECLQAR  
 SASRREQRSCGRLLCTEGLQVEERRAEAVSSDCNFQWCCTVKCGQCRRVVSRYCYTRPVG SARPRGRGK  
 DSAW

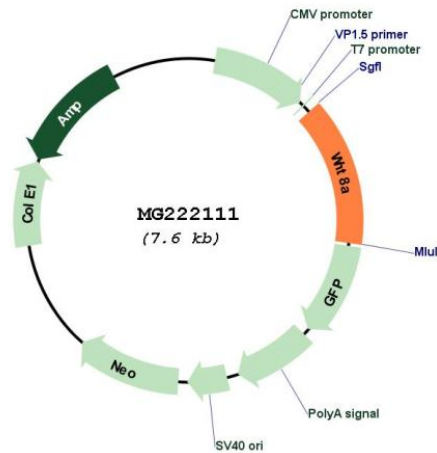
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM\_009290

<b>ORF Size:</b>	1062 bp
<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_009290.2</a> , <a href="#">NP_033316.1</a>
<b>RefSeq Size:</b>	1519 bp
<b>RefSeq ORF:</b>	1065 bp
<b>Locus ID:</b>	20890
<b>UniProt ID:</b>	<a href="#">Q64527</a>
<b>Cytogenetics:</b>	18 B1
<b>Gene Summary:</b>	Ligand for members of the frizzled family of seven transmembrane receptors. Plays a role in embryonic patterning.[UniProtKB/Swiss-Prot Function]