

## Product datasheet for **MG206545**

### Naga (NM\_008669) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Naga (NM_008669) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Naga
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG206545 representing NM_008669 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGTTGCAGAAGACAGTCTTACTGGCCCTGGTGGCTCAGGTAAGTGTGCTGGAGAATGGGCTCCTGC  
GGACGCCACCCATGGGCTGGCTGGCCTGGGAACGCTTCCGCTGTAACATCGACTGTGTGGAGGACCCGAA  
GAAGTGCATCAGTGAACGGCTCTTTATGGAGATGGCGGACAGACTGGCCAGGATGGATGGCGGGACCTG  
GGCTATGTATACCTCAACATCGATGACTGCTGGATTGGTGGGCGTGACGCCTCAGGCCGCTAATTCCTG  
ATCCCAAGCGCTTCCCTCACGGATTGCCTTCTAGCTGACTATGCTCACTCTTTGGGCTGAAGCTGGG  
CATCTATGAGGACATGGGCAAAATGACCTGCATGGGTTACCCTGGTACCACCCTAGACAAAGTGGAGCTG  
GACGCGGAAACCTTCGCAGAGTGAAGGTGGACATGCTGAAGTTGGATGGCTGTTTCTCCAGCTCCAGAG  
AACGTGCAGAGGGGTACCCCAAGATGGCTGCTGCCCTGAACGCCACGGGCGTCCCATTGCCTTTTCTTG  
CAGCTGGCCAGCCTATGAAGGGGCTACCCCAAGGTGAAGTACACCGAGGTTCCAGGGTCTGCAAT  
CTCTGGCGCAACTATAAAGACATCCAGGACTCCTGGAAGAGTGTGCTGTCCATCCTGGACTGTTTGTGA  
GACACCAGGATGTACCGAGCCGGTGGCGGGTCTGGGCACTGGAATGACCCAGACATGCTGCTCATCGG  
GAAGTTTGGCCTGAGCTTCGATGAATCCCGGGCACAAATGGCCCTGTGGACAGTGTGCGAGCCCCCTC  
TCATGTCCACGGACCTGCGTACCATCTCCCTCAGAATATGGACATTCTCAGAACCCTCATGATCA  
AAATCAATCAGGACCCCTTAGGCATCCAGGACGAGGATCTTAAAGAGCAAATCCCATATCGAAGTGTT  
CAAGAGGTATCTGTCTAACCCAGGCCAGTCCCTGGTTTTCTTCAGCCGACAGGACAGACATGCCTTTCCG  
TTTCATTGCTCCCTCTTGGAACTAAACTACCCCAAGGCAGAGTGTATGAGGGCCAGAAGCTCTTACAG  
GAGATATCTTCAGTGGTCTCCAGACTGAAGTCACTTCACTGTGATCATCAATCTTCGGGGGTTGTGAT  
GTGGTACCTCTATCCCATCAAAGACCTGGGATATCCACGATGATGTCCCACTGG

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG206545 representing NM\_008669  
 Red=Cloning site Green=Tags(s)

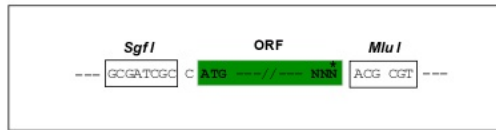
MLQKTVLLLLVAQVLMLENGLLRTPPMGWLAWERFRCNIDCVEDPKNCISERLFMEMADRLAQDGWRDL  
 GYVYLNIDDCWIGGRDASGRLLPDPKRFPHGIAFLADYAHSLGLKLG IYEDMGKMTCMGYPGTTLDKVEL  
 DAETFAEWKVDMLKLDGCFSSSRERAEGYPKMAAALNATGRPIAFSCSWPAYEGGLPPKVNYTEVSRVCN  
 LWRNYKDIQDSWKSVL SILDWFVRHQDVPQPVAGPGHWNDPDMLLIGNFGLSFDESRAQMALWTVLAAPL  
 LMSTDLRTISPOQNDILQNPLMIKINQDPLGIQGRRIKSKSHIEVFKRYLSNQASALVFFSRRTDMPFR  
 FHCSSLLELNYPKGRVYEGQNVFTGDIFSGLQTEVNFTVIINPSGVVMWYLYPIKDLGISTMMSHW

TRTRPLE - GFP Tag - V

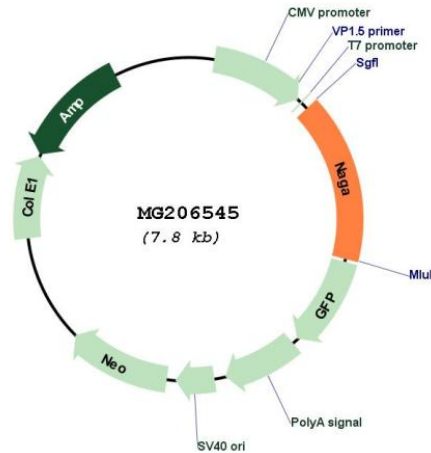
Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



Plasmid Map:



ACCN: NM\_008669

<b>ORF Size:</b>	1245 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_008669.3</a>
<b>RefSeq Size:</b>	1919 bp
<b>RefSeq ORF:</b>	1248 bp
<b>Locus ID:</b>	17939
<b>UniProt ID:</b>	<a href="#">Q9QWR8</a>
<b>Cytogenetics:</b>	15 38.56 cM
<b>Gene Summary:</b>	Removes terminal alpha-N-acetylgalactosamine residues from glycolipids and glycopeptides. Required for the breakdown of glycolipids (By similarity).[UniProtKB/Swiss-Prot Function]