

## Product datasheet for **MG223688**

### Ntm (NM\_172290) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Ntm (NM_172290) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Ntm
Synonyms:	6230410L23Rik; B230210G24Rik; Hnt; Igdcc2; R75390
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG223688 representing NM_172290 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGAAAACCATCCAGGCAAAAAATGCACAATTCTATCTCGTGGCAATCTTCACGGGGCTGGCGGCTCTGT  
GCCTCTTCCAAGGAGTGCCGGTGCCTAGCGGAGATGCCACCTTTCCCAAAGCTATGGACAACGTGACGGT  
CAGGCAGGGGAGAGCGCCACCCTCAGGTGCACAATTGACAACCGAGTCACCCGGTGGCTGGCTAAAC  
CGCAGTACCATCCTCTATGCTGGAATGACAAGTGGTGCCTAGATCCTCGTGTGGTCTCCTGAGTAACA  
CCCAGACCCAGTACAGCATTGAGATCCAGAATGTGGATGTGTACGATGAGGGCCCTTATACCTGCTCGGT  
ACAGACAGACAACCACCCTAAGACCTCCAGGGTCCACCTCATTGTACAAGTATCTCCAAAATTGTAGAG  
ATTTCTTCAGATATCTCCATTAATGAAGGGAACAACATCAGCCTCACTTGCATAGCCACAGGTAGACCGG  
AGCCTACAGTAACCTGGAGACATATTTCTCCAAAGGCCGTTGGCTTTGTGAGTGAGGATGAGTACCTGGA  
GATCCAGGGCATCACTCGGGAACAGTCAGGCGAGTACGAGTGCAGCGCCTCCAACGACGTGGCGGCCA  
GTGGTACGAAGAGTGAAGGTCACCGTGAACATCCACCATACATCTCAGAAGCTAAGGGCACAGGTGTC  
CCGTGGGCAGAAAGGGACTCTGCAGTGTGAAGCTTCCGAGTCCCTTACGAGAATTTCAATGGTTCAA  
GGATGACAAAAGACTGGTCAAGGAAAGAAGGGAGTCAAAGTGGAAAACAGACCTTTCTTTCAAAACTC  
ACCTTTTCAACGTCTCTGAACATGACTATGGAACTACACATGTGTGGCCTCCAACAAGCTGGGTCACA  
CCAACGCCAGCATCATGCTATTTGGTCCCGGTGCTGTCAGTGAAGTCAACAATGGGACATCAAGGAGGGC  
AGGCTGCATTTGGCTCCTCCCTCTTCTGGTCTTACACCTGCTCCTCAAATTT

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG223688 representing NM\_172290  
 Red=Cloning site Green=Tags(s)

MKTIQAKMHNSISWAIFTGLAALCLFQGVPRSGDATFPKAMDNVTVRQGESATLRCTIDNRVTRVAWLN  
 RSTILYAGNDKWCLDRPVVLLSNTQTQYSIEIQNVDVYDEGPYTCVQTDNHPKTSRVHLIVQVSPKIVE  
 ISSDISINEGNNISLTCIATGRPEPTVWRHISPKAVGFVSEDEYLEIQGITREQSGEYECASANDVAAP  
 VVRRVKVTVNYPPYISEAKGTGVPVGQKGLQCEASAVPSAEFQWFKDDKRLVEGKKGVKVENRPFSLSKL  
 TFFNVSEHDYGNVTCVASNKLGHNASIMLFGPGAVSEVNNGTSRRAGCIWLLPLLVLHLLLLKF

TRTRPLE - GFP Tag - V

Chromatograms: [https://cdn.origene.com/chromatograms/ja1823\\_b10.zip](https://cdn.origene.com/chromatograms/ja1823_b10.zip)

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



ACCN: NM\_172290

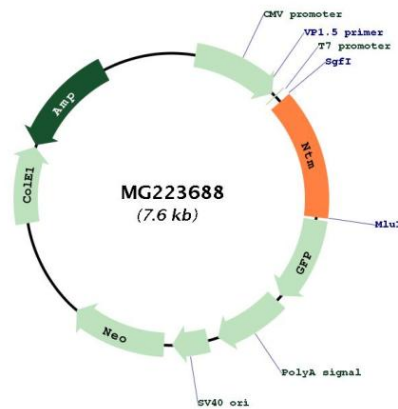
ORF Size: 1032 bp

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](mailto: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](#)

<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_172290.4</a>
<b>RefSeq Size:</b>	1808 bp
<b>RefSeq ORF:</b>	1035 bp
<b>Locus ID:</b>	235106
<b>Cytogenetics:</b>	9 A4

### Product images:



Circular map for MG223688