

## Product datasheet for **MG224491**

### Haus2 (NM\_025475) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Haus2 (NM_025475) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Haus2
Synonyms:	1700101G24Rik; 2410007P03Rik; AU020217; Cep27
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG224491 representing NM_025475 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCGGCCCAACCCGTGGGACCCAGCGTCCTCGCAGACTGCAGCTGGGTTACTGCTAAACCACTTGG  
TAGCTTCGGGCATAGTCACTAAGGAGATGTTAGATGTATCTAAGAAAATGGCTCCTTGCTTTGTGA  
TTCCAGATTACAACAGATCTCAGATATCAAGCTGAAATCTACCAGAACAATCTGGAACCTTGA  
AAGCTAGAAAAGGATACAGCAGATCTTATTCATCCTTCCCATTTGATTGAGAAATGTGATGTTCTG  
GCATGAATAATCATCTGGAAGCAGTGCTAAAAGAGAAGCATGCCATCAGGCAAAGACTGCTGAGACCC  
GTGCCAGGAGAACTTGCATTGGAAGCTGTTTATCACAGATATGTGGTACATATGTTGGATCTGGCTG  
ACTTTCATTGAGAAATTTGAAACCCATCTTGAACAGTTAAAAATAGCCCTCATTGAGCGAAACCTAA  
AGCAAATGAGCAAAGCTTTAGCCAAGATGGATATTTTGGTGAACAAGACAGAAGAACTGGCAGAGA  
ACTCAAGTGGCGAGAAGCTTCAAAACAGAAATTTCCCTTGATATCCCCAAAATGCTAACTGAAGA  
AGCCATCTTCATGAACTTGACATAGTGCCCTCTTACCTTTTTTCTAAGGCTCACACCGAAACCTCCAGG  
CCAAAG

**ACGCGTACGCGGCCGCTCGAG** - GFP Tag - GTTTAA



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**Protein Sequence:** >MG224491 representing NM\_025475  
 Red=Cloning site Green=Tags(s)

MAAANPWDPASSQTAAGLLLNLHVASGIVTKEMLDVSKKMAPCFVNF SRLQQISDIQAEIYQNNLELELL  
 KLEKDTADLIHPSHLIEKCDVLQSMNNHLEAVLKEKHAIRQRLLRPMQENLPLEAVYHRYVVHMLDLAV  
 TFIEKFETHLETVKNSPHL DANLKQMSKALAKMDILV NKTEEL AENILKWRELQTEISLYIPKMLTEERH  
 LHELDIVPPLPFFPKAHTETSRAK

TRTRPLE - GFP Tag - V

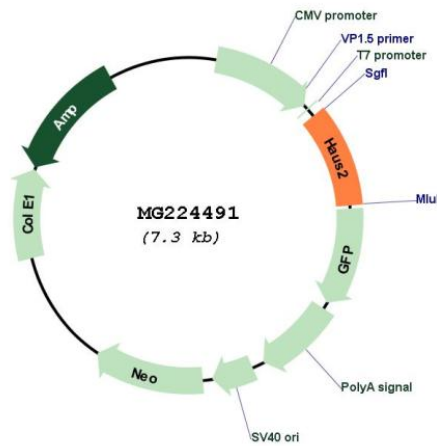
**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shutting:



**Plasmid Map:**



**ACCN:** NM\_025475

**ORF Size:** 702 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_025475.3</a> , <a href="#">NP_079751.1</a>
<b>RefSeq Size:</b>	2375 bp
<b>RefSeq ORF:</b>	705 bp
<b>Locus ID:</b>	66296
<b>UniProt ID:</b>	<a href="#">Q9CQS9</a>
<b>Cytogenetics:</b>	2 E5
<b>Gene Summary:</b>	Contributes to mitotic spindle assembly, maintenance of centrosome integrity and completion of cytokinesis as part of the HAUS augmin-like complex.[UniProtKB/Swiss-Prot Function]