

## Product datasheet for **MG225567**

### Ide (NM\_031156) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Ide (NM_031156) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Ide
Synonyms:	1300012G03Rik; 4833415K22Rik; AA675336; AI507533
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG225567 representing NM_031156 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGCGGAACGGGCTCGTGTGGCTGCTGCACCCCGCGCTGCCCGGCACCTTGCCTCCATCCTCGGCGCC  
GCCCGCCCGCGAAGCGACTGTGTGGATTCCAAAACAGACTTACAGCACAATGAGTAATCCGGCCAT  
CCAGAGAATAGAAGACCAAATTGTCAAGTCTCCTGAAGACAAACGGGAATACCGTGGACTAGAGCTGGCC  
AATGGCATCAAAGTGCTTCTCATCAGCGATCCCACCACAGACAAGTCTCAGCGGCCCTCGATGTGCACA  
TAGGTTCACTGTCAGACCCTCCAAATATTCCTGGCTTAAGTCATTTTTGTGAACATATGCTGTTTTGGG  
AACCAAGAAATATCCTAAAGAAAATGAATATAGCCAGTTTCTCAGTGAACATGCTGGAAGTTCAAATGCA  
TTCACCAGTGGAGAACACACCAATTATTATTCGATGTTCCCATGAACACTTGAAGGAGCCCTGGACA  
GGTTTGCGCAGTTTTTCTGTGCCCTTGTGATGCAAGTTGTAAGACAGAGAGGTGAACGCTGTCTGA  
TTCAGAACATGAGAAGATGTGATGAACGATGCCTGGAGACTTCCAGCTGGAAAAGGCTACGGGGAAC  
CCCAAACCCCTTCAGCAAATTTGGGACAGGAAACAAATATACTCTAGAGACTCGGCCAACCAAGAAG  
GCATCGACGTAAGGGAAGAGCTCTTGAATTTCACTCTACGTATTATTCGTCCTGATGGCGATTTG  
TGTTTTAGGTCGAGAATCCTTAGACGACCTCACTAACCTGGTGGTGAAGCTGTTCTCCGAGTGGAGAAC  
AAGAAGTTCCTCTGCTGAGTTCCTGAGCACCTTTCCAGGAAGAGCATCTCAGGCACTTTATAAAA  
TAGTACCCATTAAGGATATTAGAAATCTTTATGTGACATTTCCCATACCAGACCTTCAGCAGTACTACAA  
ATCCAATCCTGGTCATTATCTTGGTCATCTAATTGGGCACGAAGTCTGGAAGCCTGTTGTCAGAACTC  
AAATCAAAGGGCTGGGTGAATACCTGGTGGTGGACAGAAGGAAGGAGCCCGAGTTTTATGTTTTTTA  
TCATTAATGTGGACTTAACTGAAGAAGGTTATTGCACGTTGAAGATATAATTTGCACATGTTTCAATA  
CATTGAGAAGCTACGTGCAGAAGGACCTCAAGAATGGGTTTTCCAAGAGTGAAGGACTTGAATGCTGTT  
GCTTTGAGATTTAAAGATAAAGAGAGACCACGAGGCTATACGTCCAAGATTGCAGGAAAGTTCAGTATT  
ATCCCCTAAATGGAGTGTCTCACAGCTGAATATCTATTGGAGGAATTTAGACCCGACTTGATAGACATGGT  
TCTTGATAAACTCAGACCAGAAAATGTGCGGGTGGCAATAGTTTCCAAATCATTTGAAGGAAAACACTGAC



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CGCACAGAGCAGTGGTATGGAACACAGTATAAGCAAGAAGCTATCCCAGAGGACATCATTAGAAATGGC  
 AAAATGCTGACCTTAATGGAAAATTTAAGCTTCCAACAAAGAATGAATTTATCCCAAAATTTTGAGAT  
 TTTGTCATTAGAAAAAGATGCAACACCATACCTGCTCTTATTAAGGATACAGCCATGAGTAAGCTGTGG  
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 ATGTGGACCCCTTGACTGTAACATGGCCTATTTGTACCTTGAGCTCCTCAAAGACTCACTCAACGAGTA  
 TGCATATGCAGCAGAGCTAGCAGGCCTGAGCTATGACCTCCAAAATACCATCTATGGGATGTATCTCTCA  
 GTGAAAGGTTACAATGACAAACAGCCAATTTTGTGCTGAAGAAGATCACCGAGAAAATGGCTACTTTTGAGA  
 TTGATAAGAAGAGATTTGAAATTAATAAGAGGCCTATATGCGATCTCTTAATAACTTCCGGGCTGAGCA  
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 ATATTGAAGCACTTCTCCATGGAACATAACCAAGCAGGCTGCCTTAGGAGTTATGCAGATGGTAGAAGA  
 CACTCTTATCGAGCATGCTCACACCAAACCTCTCCTTCCAAGTCAGCTAGTCCGGTACAGAGAAGTCCAG  
 CTCCTGACAGAGGATGGTTTGTATCAGCAGAGGAATGAAGTTCACAATAACTGCGGCATCGAGATCT  
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 AACGGTATCCAAGGCTTGCCTTCATCACCAGTCAGAAAACCACCCACTACCTGGAGAGCAGAGTAG  
 AAGCCTTCTTGATTACCATGAAAAGGCCATAGAGGACATGACAGAGGAGGCGTTCCAAAACACATTCA  
 AGCACTAGCGATTCGCGGACTCGACAAACAAAGAACTCTGCGGAGTGTGCTAAATACTGGGGGAA  
 ATCATCTCGCAGCAGTACAATTACGACAGAGATAACATAGAAGTGCATATTTAAAGCACTTACCAAGG  
 ACGATATCATCAGATTCTACCAGAAAATGTTGGCTGTCGACGCACCGAGGAGACATAAAGTGTCTGTCCA  
 TGTTCTTGCCAGGAAAATGGATTCTTGTCTGTTGGAGAGTCCCCTCTCAGAATGATATAAACTTG  
 TCCGAAGCGCCACCCTTGCCACAACCTGAAGTGATTACAACATGACTGAGTTCAAGCGTGGCCTGCCAC  
 TGTTTTCCCTCGTGAACCACATATTAACCTTCATGGCTGCAAACTC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:**

>MG225567 representing NM\_031156  
 Red=Cloning site Green=Tags(s)

MRNGLVWLLHPALPGTLRSILGARPPPAKRLCGFPKQTYSTMSNP AIQRIEDQIVKSPEDKREYRGLELA  
 NGIKVLLISDPTTDKSSAALDVHIGSLSDPPNIPGLSHFCEHMLFLGKTKYPKENEYSQFLSEHAGSSNA  
 FTSGEHTNYYFDVSHHELEGALDRFAQFFLCPLFDASCKDREVNVDSEHEKNVMNDAWRLFQLEKATGN  
 PKHPFSKFGTGNKYTLERPNQEGIDVREELLKFHSTYYSSNLMAICVLGRESLDDLNLVVKLFSEVEN  
 KNVPLPEFPEHPFQEEHLRQLYKIVPIKDIRNLVYTFPIPDLQYYKSNPGHYLGHIGHEGPGSLLSEL  
 KSKGWVNTLVGGQKEGARGFMFFIINVDLTEGLLHVEDIILHMFQYIQKLAEGPQEWVFQECKDLNAV  
 AFRFKDKERPRGYTSKIAGKLHYYPLNGVLTAEYLLEFRPDLIDMVLDKLRPENVRVAIVSKSFEGKTD  
 RTEQWYGTQYKQEAIPEDI IQKQWADLNGKFKLPTKNEFIPTNFEILSLEKDATPYPALIKDTAMSKLW  
 FKQDDKFFLPKACLNFEEFSPFAYVDPLHCNMAYLYLELLKDSLNEYAYAAELAGLSYDLQNTIYGYMS  
 VKGYNDKQPILLKITEKMATFEIDKRFEIKEAYMRSLNFRAEQPHQHAMYLRLLMTEVAWTKDEL  
 KEALDDVTLPRLKAFIPQLLSRLHIEALLHGNITKQAALGVMQMVEDTLIEHAHTKPLLPSQLVRYREVQ  
 LPDRGWVYQQRNEVHNCGIEIYYQTMQSTENMFLELFCQIISEPCFNTLRTKEQLGYIVFSGPRRA  
 NGIQGLRFIIQSEKPPHYLESRVEAFLITMEKAIEDMTEEFQKHIQALAIRRLDKPKLSAECAYWGE  
 IISQYNYDRDNIEVAYLKTLTDDIIRFYQEMLAVDAPRRHKVSVHVLAREMDS CPVVGFEFSPQNDINL  
 SEAPPLPQPEVIHNMTEFKRGLPLFPLVKPHINFMAAKL

TRTRPLE - GFP Tag - V

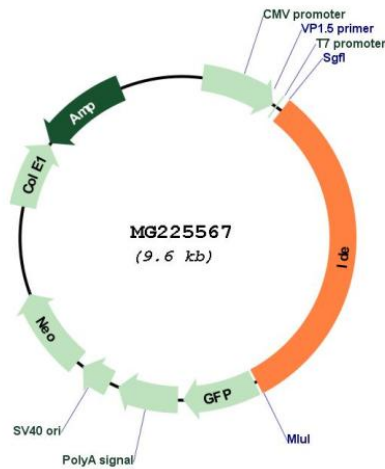
**Restriction Sites:**

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM\_031156

ORF Size: 5084 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](#)

<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>	<u><a href="#">NM_031156.4</a></u>
<b>RefSeq ORF:</b>	3060 bp
<b>Locus ID:</b>	15925
<b>Cytogenetics:</b>	19 32.24 cM