

Product datasheet for **MG224394**

1190002N15Rik (NM_001033145) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	1190002N15Rik (NM_001033145) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	1190002N15Rik
Synonyms:	GoPro49; HASF
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG224394 representing NM_001033145 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTGGCGCCTGGTGCCCTGAAGCTGGGCGCCTGTCCCGTGCCTGAAGCTGGCGGCGCTCGGCAGCC
TGTTGGTGTGATGCTGCTGCCTCGCCGTCGCTGCTCGCCTCCTGGCAGCGCAACGAGCTCGCCGACCG
GCGCTTCTGAGCTCAATAAGTGCCCGCGTGTTCGGCAGGAGCTGGTGCCGCGTTTCTCAACGGC
CAGGTGGGCTTCGAGACGTGGGCGCCTGCGCCTGCTGGACTTCTCAACGTGAAGAAGTGTACTTTCG
CGCAGTACGGCGAGCCCCGCGAGGGCGGCCGCGCGCTGGTGTCAAGCGCCTGGGTTTCGAGCGCGA
GCTGGCGCAGCTCGACCAGAGCATCTGCAAGCGGGCCACCGGCCGCGCGCTGCGACCTGCTCCAGGCC
ATGCCCGCACCGAGTTCGCGCTCTCAACGGCGACGTGCGGCTGCTCACGCCGAGGCGGTGGAGGGTT
GGTCCGACCTGGTGCCTGCCCTCGCAGCGCCTGCTGGACCGCCTGGTGCGCCGCTACCGGAGACCAA
GGACTCGGGCAGTTTCTGCTGCGTAACCTCAAGGACTCCGAGCGCATGCAGCTGCTGCTCACCTGGCC
TTCAACCCGAGCCGCTGGTGTACAGAGTTTCCATCTGATGAAGTTGGCCATTTGCAAAATATCTTG
GAGCTTGTGGAAGAATGGTGGCTGTAATATGTTGGAGAAGAACTGTGGAGTTATTTAATGCACCATG
GGAGAAGAGAGTTGACCTTGCTTGGCAGTTAATGGAGATAGCAGAGCAGTTACAACAATGACTTTGAA
TTTGCCTACCTCCTGGAGCTCAGCTTGGCAACTTTGCAGTTGGTCCAAGAGATGGGAAAGTAATCA
TTGTGGATGCCGAAAATGTTTTAGTTGCCGACAAAAGATTAATTAGACAAAATAAGCCTGAGAATTGGGA
CGTATGGTATGAAAGCAAGTTTACGATTGTGACAAGGAAGCTTGTCTGTCATTTTCAAAAGAAATCCTC
TGTGCTCGTGCCTGTGGACCACAATTAATGCGGTTTGTGCAACCTCTTATCCAGACATGCCACCT
GGCGCGCACTTCTGGAGGACTCCTCCATGATCCACCAAGTAAAATTGCCAAAGATGGCCGACTGGAGGC
CTTGCTGGATGAGTGCACCAACCCCAAGAAACGCTATGGCCGTTCCAGGCCGAAAAGAACTGCGTGGC
TATCTGGCACAGTTAAGTACAATGTGAGG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG224394 representing NM_001033145
 Red=Cloning site Green=Tags(s)

MWRLVPLKLGRLSRALKLAALGSLLVLMMLHSPSLLASWQRNELADRRFLQLNKCPACFGTSWCRRFLNG
 QVGFETWGRLLRLLDFLNVKNVYFAQYGEPRGGRRRVVLKRLGSQRELAQLDQSIKCRATGRPCDLLQA
 MPRTEFARLNGDVRLLTPEAVEGWSDLVHCPSQRLLDRLVRYAETKDSGSFLLRNLKDSERMQLLLTLA
 FNPEPLVLQSFPSDEGWPFACYLACGRMVAVNYVGEELWSYFNAPWEKRVDLAWQLMEIAEQLTNNDFE
 FALYLLDVSFDNFVAVGPRDGKVIIVDAENYLVADKRLIRQNKPENWDVWYESKFDDCKEACLFSKEIL
 CARVTVDHNYAVCQNLRSRHATWRGTSGLLHDPPEIAKDGRLEALLDECTNPKKRYGRFQAAKELRG
 YLAQLSHNVR

TRTRPLE - GFP Tag - V

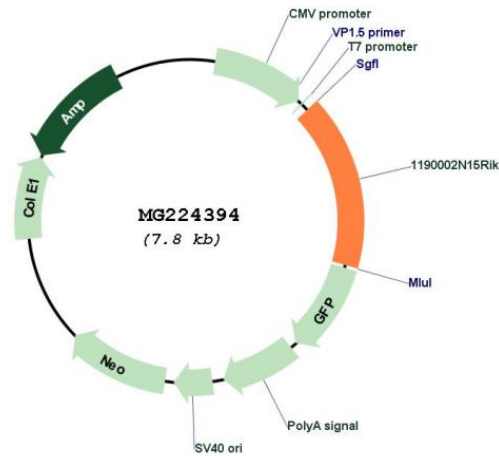
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN:

NM_001033145

ORF Size:	1290 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
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
Components:	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).
Reconstitution Method:	<ol style="list-style-type: none">1. Centrifuge at 5,000xg for 5min.2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.3. Close the tube and incubate for 10 minutes at room temperature.4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.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.
RefSeq:	NM_001033145.2 , NP_001028317.2
RefSeq Size:	3950 bp
RefSeq ORF:	1293 bp
Locus ID:	68861
UniProt ID:	Q3USZ8
Cytogenetics:	9 E3.3
Gene Summary:	May play a role in cardiomyocyte proliferation through paracrine signaling and activation of the PI3-kinase signaling cascade.[UniProtKB/Swiss-Prot Function]