

Product datasheet for **MG224255**

4930435E12Rik (NM_029042) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: 4930435E12Rik (NM_029042) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: 4930435E12Rik
Synonyms: TSCPA
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG224255 representing NM_029042
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGATGAGCCTCCAGATGAATCCTTGAACCATGAAAACACAACCCGAGCCCCAGATAACGAGAAGAACA
 ACATAGAAGGAGCAGGCCAGGCCCTTACAGAGGTTCTGAACATGCTGGGGTTGGATCATCTGAGCCAAC
 TGGTGACAAGGTATCCGGCCAAGCCAATGCAGGTTCTAGACAGACTGGCCGAAGAAGTTCTGAAGAGGCA
 GAACAAAGATCTTCGAGCCAACCGAGCACAGATTGCCTGGCCATGCAGAGAGGAGAGCATCCCAGCAGG
 CAGAGCGCAGACTATCTGAGAGGAGAATTCACAACCACCTAATCAGCAACTCCCAGCCATTTCAGAGAG
 GAAAACCTCTGGCAAGATAGATGGCCAAGAATCTTTGCTGTCTGAGCAGACTGACCAAGAAACTTCGGAG
 TTTGATGACCTGATTCCATCAGCCAGCAGCTGACTATTTATCAGCAAGGAGTCAACAACAAGAATACAACC
 AACATGGTTACTGGACTGAAGACTCTAGTGATCCACACAGGCTTAGTGAGGATCTAGAAAAGGACTATAC
 CCGAGTTAAACATATAACAGAAAAACAGGCTGGCTACCGCTCATACTACAAAACACTTGCCACATCGAG
 AGCCGAACACTAACTGACACCAACGACTACAGAGAAACTGGCCAAAGATTACAGCCTTGACATTTGAAG
 ATAGTGAAGCAGAGCTCCCATCCAAAGTTTCAACTACAGAGGAAACAGAAAGTCCACCCTATCCAAGC
 CTACAACACACAAGATACTGAATTAACCTCCACCTCCCATGAAAACTTCCCTCCATCACAACATAAA
 GTGTACTACTCATCCAGTCCAGAAAAAATTCAAACCACAGAATACACTTCTGATACCCTCCAGTATTTG
 ATCAAGGAAGGAGTTCTCAAAGATCCAGTCCAGATTCCAGATGGCGGTTCCCTCCAATCGTTTTTGAAGA
 CCCCTATCATGTTGCACTTCGCTATGTGGAGAAACACAACATCCTGCATATATTCCAGCAGATCACTGAA
 AACCTAGTCTATGAAAGGCCAGATGACCCACTGTATTTATGCTAGACCAGGTACAGAACATGATCAAAC
 ACAGAGACGAAAGGCAGAGCGAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



[View online »](#)

Protein Sequence: >MG224255 representing NM_029042
 Red=Cloning site Green=Tags(s)

MDEPPDESLNHENTTRAPDNEKNNIEGAGQALHRGSEHAGVGSSEPTGDKVSGQANAGSRQTGRRTSEEA
 EQRSSQPTEHRLPGAERRASQQAERRLSERRTSQPPNQQLPSHSERKTSKGIDGQESLLSEQTDQETSE
 FDDLIPASSTDYLSARSQQEYNQHGHWYTEDSSDPHRLSEDLKDYTRVKHITEKQAGYRSYYKTLAHIE
 SRTLTDNDYRETGQRLQPCTFEDSEAELPSKSVSTTEETESATTIQAQYNTQDTELTTSTSHKLPSTTK
 VYYSSSPEKIQTTEYTSDDTPVFDQGRSSQSSSRWRFPPIVFDQPYHVALRYVEKHNLHIFQQITE
 NLVYERPDPLVFMLDQVQNMIKHRDERQSD

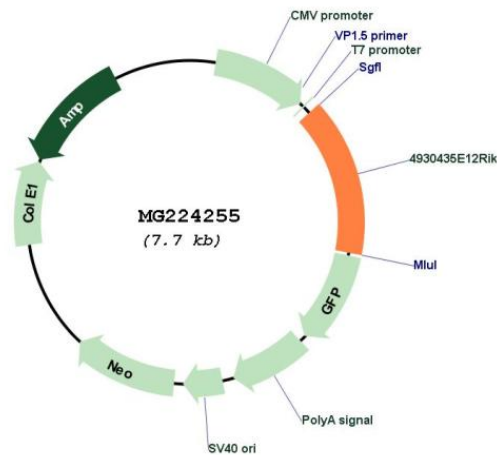
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_029042

ORF Size:	1143 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_029042.1 , NP_083318.1
RefSeq Size:	1368 bp
RefSeq ORF:	1146 bp
Locus ID:	74663
UniProt ID:	A6X8Z9
Cytogenetics:	16 B4