

Product datasheet for **MG209695**

1700030K09Rik (NM_028170) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	1700030K09Rik (NM_028170) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	1700030K09Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG209695 representing NM_028170
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGCTTCCACAAGAAGACCCTTTGGCCCTCCACGTAGTGGTTTTGACTTAAGGGATATGTTCTTAGATA
 GCTCGAGGATGGAAGAGATCAGAAACTTACAAGCCCGAAGTCTTGCCCAAGTGACACCTGGGCAGAGCAG
 AATCTTAAAGAGAAACCAACGATGACGAGAAATATTTGATGCCCAAAGAGGAGCCATGGCAGGGAGG
 GGGGTGATTCTGGGCTTGGGCCTCCACCATCTCCTCCAAGACCAGAGCCAGTGGGCCCTTAGGAAAC
 TGGCCAGATTGAAACCAAGATCCTGAATCGGAAGCAGGTGCCCATGGCTTGGTCTGATGTGGAGTCTGA
 CTCCACATCCATCGAGCAGAGTCTTCTAAGAGGACAGGTGCAGTCTGTCTTCTCCAGTACCCACAC
 AGAACTTCCAGAAACAAGTGAACAAAACATGTGTGTCAAAGAGCGATGGGCCGAGTGGTAAACGGTAGCA
 GGTTTCTGAAGAAGAAGGAGCTGCCCACTGAAGCGAGGTCCCAGGGCTGGCAGTGGGGACAGGGAAGCA
 AGCTCTGTGCCACAAGAAAGAAATCTGCCAGTGACGAGGAGGAGAAATGCTACTGCTTGAAGCTTG
 ATGGAATCTTCTAGAGAAAAAGAAGCAAATAGAAACCAGGAGCTCCCTGGCTCCAGTGTCAGCAGGAGCA
 ACCTTGAAAGGTGTTCTTGATCCAATCCAGATCAGCCAGGAGTCTGTCTCTACTCAGTGTGACCA
 GTCCAGCTTAAAGTCTCCTCGGCCATACAGTCGACTCGCGTTGGCTTGAGAACTCACTCCCAGACGGCG
 AGCAGTGTGGGACACAGTCTCCATGACAGCCTCACCTCCCATCCTTGATGACTTCTCAAATCAGCAT
 CTTCAAAGATGGGATGCATCAAGCTGGCTTCTCCCCAGCAGGACGGAGTTGGAGTCTTCTGAGGAACC
 AGTCTCAGAAGCTGTCTGACAGCCTCCATGATTTTGAATTAATTTTGTGATTGATGATCTGGTT
 CTGGCTGACGGAGACAAATCAGATGGGGACCAGAGAGGAAGACTGTGAAGGGGAGGGATTTTCAGTG
 GAAGCTCTCACCCACATCACCTACTCGACTGGAAGCGCAGATGTGCCCAAGACTTGTGTGTTTCAGGG
 CGCAGCCACCGTGGTTGGGGATGAAGAGGACCTTACCCTGAGAGTGACGTCTCAGAGCCCCGGGGACC
 AGCTCCTCAGCAGCTGTCCAGTCTCACAGTATGTCCAGGGCCCTCACTGCAAGCCAGCTTACTCAGAGG
 ATTTTGAGCAGTCTCTGGTCCCTTGGCCTTGGAGGAGTCGCTTGACAGGACACTGGACACTTTGTCAA
 GTTTTCTTCCAGTGGTCAGACAGATATCGTTGCCAGACAACCTCTATCAAGGACAGAATGGGGCAGGGGT
 GTGACCAGAGTTGTGAAGGAGACAGCTGTGCAGACACTTGATCCTGCCTTGGCTACCAGTGGAGCAAGG
 CTGGTGGCATAGCAGCTGTTGGACTGCCCTCGGAGGTGCTTATGTGGACCCAGCACCCATGCCAGTCA
 CATTGTCAGCGCAGACGCCATAGAAGCCCTGACAGCCTACAGCCCGCAGTCTGGCGTTGAATGACATG
 CTAAGCAACAACACTGAGCCTGACGACAGTTCATCGAGGCCAGCCAGCAACTACATGGTTCTCTCTGC
 AGTCCCTGGATGGGACTCATTCTACTACCATACCTTGGAGGAAGCAAAAGAGTACATCAGGTGCCACAG
 GCCTGCACCCCTGACCATGGAGGCTGCCCTGCAGGAGGTGAGGGAGGAGCTCCAAGTCCCAGCAAGTGAG
 GCTTGCCTGGGTACCTGTCCACCTCGGAATCAA

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>MG209695 representing NM_028170
 Red=Cloning site Green=Tags(s)

MASTRPFGPPRSDFLRDMFLDSSRMEEIRNLQARSLGQVTPGQSRILKRNQTMDEKYLMPKEEAMAGR
 GVILGLRPPTISSKTRASEALRKLAIETKILNRKQVPMASDVEDSSTIEQSLPKRTGAASVSSQYPH
 RTFQKQVNKTCVSKSDGPSNGSRFLKKKELPTEARSPGLAVGTGKQALLPTKESASDEEEEMLLGSL
 MESSREKEANRNQELPGSSVSRNLGKVFLDPTPDQPGVLSLLSVDQSSLKSPRPIQSTRVGLRTHSRQA
 SSAGDTVSMASPPILDDFSKASASKMGCIKLASSPSRTELESSEEPVSEAAADSLHDFRINILSDDL
 LADGKSDGDQREEDCVREGISVRSSSPTSPTRLEAQMWPKTCVFQGAATVVGDEEDLTTESDVSEPPGT
 SSSAAVQSHMSRALTASPAYSEDFEQFSGPLALEESLDRDLTLTKFSSSGQTDIVARQPLSRTEWGRG
 VTRVVKETAVQTLDPAFAYQWSKAGGIAAVGPALGGAYVDPAPIASHIVSADAIEALTAYSPAVLALNDM
 LKQQLSLTQQFIEASQQLHGSLLQSLDGDSEFHYHTLEEKEYIRCHRPAPLTMEALQEVREELQVPASE
 ACLGTCPPRNQ

TRTRPLE – GFP Tag – V

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



ACCN: NM_028170

ORF Size: 1923 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:

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_028170.1](#), [NP_082446.1](#)

RefSeq Size: 2441 bp

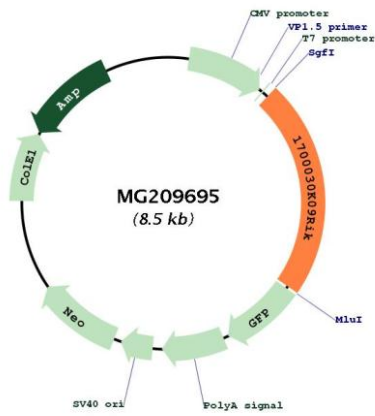
RefSeq ORF: 1926 bp

Locus ID: 72254

UniProt ID: [Q922C1](#)

Cytogenetics: 8 B3.3

Product images:



Circular map for MG209695