

Product datasheet for **MG209261**

6330514A18Rik (BC099679) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	6330514A18Rik (BC099679) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	6330514A18Rik
Synonyms:	6330514A18Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG209261 representing BC099679
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGAGCCCCGGTCCCGCGCGCGGGAGCCGCCAGCTTGTGGCCACCTTCTGCGCAGCCAGGCTCGG
 GCGCGTGTACCGCGCGGGAAGCTGATCGGCAAGGGAGCCTTCAGCCGCTGCTACAAGCTCACGGACAT
 GTCACACAGCGTGTGTTTCGCTCTTAAGGTGGTCCAAAGGGCGGAGCGGGCGGCTGCGCCTGCGCGGG
 AAGGTGGAGCGTGAGATCGCCCTGCACAGCCGCTGCGCCACCGCAACATCGTGGCCTTCCACGCACACT
 TTGCTGACCGGATCACGTGTACATGGTGTGGAGTATTGTAGCCGCCAGTCTTGGCTCATGTGCTGAA
 AGTGGCGCGGACTCTGACAGAGCCTGAAGTGGCTATTACCTTCGGGGCCTGGTCAGCGGCTGCGCTAC
 TTGCACCAACAACGCATCGTGCACAGGGACCTGAAACCCAGTAATTTCTCCTTAAACAAGAACATGGAGG
 TTAAGATAGGTGACCTGGGGCTGGCTGCCCGTGTGGGGCCTGCTGGTGGTCCACAGGGTCTCTGCGG
 GACTCCAAACTCCAGGCACCTGAAGTGGTGTCCCGAAATGGACTACTCGTCAAATCTGACATCTGGGCT
 CTGGGATGCATCATGTACACGGTGTGACAGGCACGCCACCCCTTTCGCGCGCACCCCTGTGACAGAGATGT
 ACCAAAACATCCGTGACGGCCACTACTCGAGCCTACTCACCTGTGCGCCAGCGCCCGCAGCCTCATTGC
 ACGGCTCTGGCACCGGACCCCGCCGAGCGGCCAGCCTGGACCCTTACTGCAAGATGACTTCTTCAGT
 CAGGGCTTACCCCGGAGCGGCTGCCTCCACATTCCTGCCACAGCCACCTGTGTTTGCCTTTCCCCAC
 CTCTGGGCAGGTTGTTCCGGAAGTGGGCCAGCTCCTGCTGACCCAGTGGCGGCCACCTGTCCCTTTAC
 CTCAAAGAGGCCCTCAGGCCCTGGAGAAGAGGGCACAGAACAGACCACATGGAAGCCGGCAACGAGGAA
 AGGGTCTCTGACCGAGGGCCGAATCCACCTCCTACCCTTGGGACCCCGGACTGGCCTGGCGG
 GCCCAAAGGGAGCTTGGCTCTGCAGCTGGAAGTGGCAACCAGAAAAGTTCCTCTGGACGCAGG
 ACCTATGGCTGGACAGGACCCCGAGGGGAGCAGCGGCCTGTTCTCTGGGCTCCTAAGTGGGTGGATTAC
 TCCTCAAGTATGGCTTCGGCTACCAGCTGTGGATGGGGCAGTGGGGTGTGTTTCGGGATGGCTCCC
 ACATGGCCTGCGCCCCAAGCGGCCATGTCTCTACCAACCTGACCAAGGGACTCTCTGGACCTTAC
 CCTGAGGGACGTCCCAGCCACTTCGTGCCAAGCTGGCTGTCTGCGGCTCTTTCCTGCTATATGACG
 CGGCGTCTGCGGGAGGAGGGGACTGTGCCATGCCTGCCACACCTGCCTCTCCTGACATCTCTGCTGA
 GCTTCATTGCTGACTCCCAGGCTATGGTATGCTGTTTAGCAATGGGACAGTGCAGGTGACGCTCAAAC
 CTCCAAACCCAGCTGGTCTAAGTGGGAGGACGAGGACCTCCTGCTCACCTCCAGGACCCAGGGGGA
 CCCGCTGTGGGCTCTCCTACACTCGATGTCTGCGGAGCCATGGCTTACCCTTGCAGTCCACCATC
 ACCTGCGCCATGGCTGCATCTGCTACAGAGTGC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG209261 representing BC099679
 Red=Cloning site Green=Tags(s)

MEPRSRRRSRQLVATFLRDPGSGRVYRRGKLIKGAFSRCYKLTDMSTSAVFALKVVPGRGAGRLRLRG
 KVEREIALHSRLRHRNIVAFHAHFADRDHYMVEYCSRQSLAHVLKVRRTLTEPEVRYLRLGLVSLRLY
 LHQQRIVHRDLKPSNFFLNKNMEVKIGDLGLAARVGPAGRCHRVLCGTPNFQAPEVVSRRNGHSCKSDIWA
 LGCIMYTVLTGTPPFAAAPLSEMYQNIRDGHYLEPHTLSPSARSLIARLLAPDPAERPSLDHLLQDDFFS
 QGFTPERLPPHSCHSPPVFAFPPLGRLFRKVGQLLLTQCRPPCFPTSKEASGPGGEGTEPDHMEAGNEE
 RDPLCTEGRIHLLTLGTPRTGLAGPKGSLALQLEVATRKLFLCLDAGPMAGQDPPGQRPVLWAPKWVDY
 SLKYGFYQLSDGGSGVLFRDGSHMALRPQGGHVSYPDQGTLWTFTRDVPSPRLAKLAVLRLFACYMQ
 RRLREEGTVMPATPASPDISLLSFIADSQAMVMLF SNGTVQVSLKTSQTQLVLSGEDEDLLLTQEPGG
 PAVGVSYTLDVLRSHGFTLAVHHHLRHGLHLLQSV

TRTRPLE - GFP Tag - V

Restriction Sites:

SgfI-MluI

Cloning Scheme:


ACCN: BC099679

ORF Size: 1787 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: [BC099679](#), [AAH99679](#)

RefSeq Size: 2089 bp

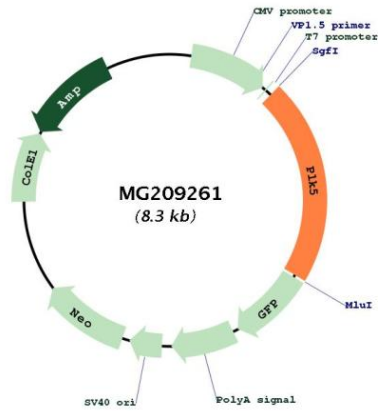
RefSeq ORF: 1787 bp

Locus ID: 216166

Cytogenetics: 10 C1

Gene Summary: Inactive serine/threonine-protein kinase that plays a role in cell cycle progression and neuronal differentiation.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG209261