

Product datasheet for **MG216584**

9430007A20Rik (NM_198662) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Tag: TurboGFP
Symbol: 9430007A20Rik
Synonyms: Aadacl4; Gm1034
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)

ORF Nucleotide Sequence: >MG216584 representing NM_198662
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGCTTTACTTGGTGGGATTTCTTCTTGCACCGTGTGTCTCCTGGTCCTGGGAGTCAACGTGTGGGTTCC
 TCATAGACCACTTCCTTACGATTGATGTGCCTCCTCCATTCCACACCCTGTGAAGTTTCGGATTCTACA
 CTTCTGCTTTCATCTGACAACCACATGGGGCATACTCGAGAAGATGAACATTTGCTCCATGCCTCAA
 TTTTCTGCTTTTACAAGACAGCCTTTTCATCAAGGAGAACCATGGTGTGTTGTGAAGGACCTGCCTT
 TTGGCACAATCCCTGTAAGACTCTTTCGTCCCAAGCAGCCTCCTCCAAACCCCGACGAGGCATCCTCTT
 TTTCCATGGAGGAGGAGCAATGATTGGCAGCTTGGACTCTACCACAACCTGTGTACCTTCTGGCTCGA
 GAGACAGACTCAGTGTGGTGTGAGTGGGTACCGAAAGCTTCTTATTACCACCATCCTTCTATACC
 ATGACTGCATAAAATGCCTCCATTCCTTCTGAAGTCTCTGAAAGCCTATGGGATAGACCCCTCCGGGT
 CGTGATCTGTGGAGAGCATTGGAGGTGCAGCTGCAGTTGTTGTCACTCAGACCTTGTGAGTAGAACA
 GATATCCCCAAGATCCGGGCTCAGGTCCTGATTATCCAATTCGCAGGCATTTTATTTCCAGTCCCAT
 CACATCTGATGCACAAAAATATCCCATTCCTAACCAAGGATTTTCATGATTACTTGTATTTGTAATATCT
 GGCCATTGATTTCTCCTGGAAAGATGCCATGTTGACAGGTGCCTGTATATCTCCAAGTGCCTGGAAGAAG
 TATGAGAAATGGCTAAGCCCTGACAACATCCCTAAAAGGTTTCAGGACTACATACCAGCCACCTGAGTCAC
 CTGCACCTTTAATGAGGCTGCTTATCTAGAAAACCAACATGCCATGAATATAGACATTTCTCCCCTCGT
 AGCAGATGATAAAATCATTGCTCAGCTTCTGAGGCATTCTTAGTGAGCCTTCACTGGGACATTATCCGT
 GATGATGCTTGTCTATAAGAAGCGCTTGAAGACCAGGGGTTCTGTGACCTGGCATCATGTGGAGG
 ATGGCTTTCATGGATGCATACTGTTGTTTGACAAGAAGCTTTTCTCATTCCCCTGTTCTTGAACATAGT
 GAATGCTGAGTATATAAAGGACTTA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



Protein Sequence: >MG216584 representing NM_198662
 Red=Cloning site Green=Tags(s)

MLYLVGFLLATVCLLVLVGNVWVLIDHFLTIDVPPSIPHPVKFRILHFCFHLTTTWGHILEKMNICSMPO
 FFCFLQDSLSSKENHGTVFKDLRFGTIPVRLFRPKAASSKPRRGILFFHGGGAMIGSLDSHNLCTFLAR
 ETDSVLVSVGYRKLPPYHHPSLYHDCINASIHFLKSLKAYGIDPSRVVICGESIGGAAAVVVTQTLT
 SRDIPKIRAQVLIYPIILQAFYFQSPSHLMHKNIPFLTKDFMITCICKYLAIDFSWKDAMLTGACISPSAWKK
 YEKWLSPDNIPKFRFTTYQPPEPAPFNEAAYLETKHAMNIDISPLVADDKIIAQLPEAFLVSLHWDIIR
 DDVLLYKRLLEDQGVPTWHVVEDGFHGCILLFDKKLFSFPCSLNIVNAVVSYYIKDL

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_198662

ORF Size: 1221 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_198662.3](#), [NP_941064.2](#)

RefSeq Size: 1406 bp

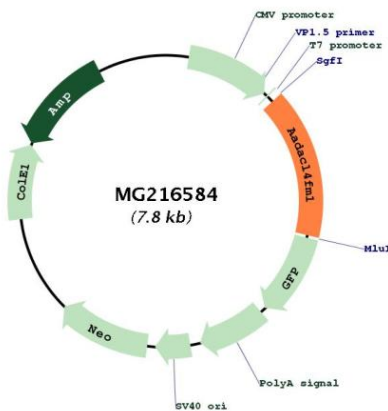
RefSeq ORF: 1224 bp

Locus ID: 381572

UniProt ID: [Q8BM81](#)

Cytogenetics: 4 E1

Product images:



Circular map for MG216584