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Product datasheet for MG214728

Adam20 (NM_001009548) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	Adam20
Synonyms:	4930529F22Rik; Adam38
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

View online »

ORF Nucleotide Sequence:

>MG214728 representing NM_001009548
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGCAGACAAGACAAAGGGCATCCTCCTTTGCTGCCACAGAGGACAACATAGCTATGGATAAGGCTGTGG
TATACACAAGGATACCTCATCTGTACCTCTGGCTAGAGATATTGAATATTCTTTCATCATGGCTCTTGAC
TGGGTATGCTCAGCACACCAGCCTCCCAGAAGTAGTGATACCCTTACGGGTCACAGGCAACAGACCAATG
TGGGCTATGGGATGGCTGACCTATAGCCTGCATTTTGGGGGCCAGAAACATTTTATTCACATAAAGGCCA
AGAAGTTCTTGGTTTCTAGACTCTTCTCTGTATTCACCTACACTAAGCAAGGTGCTCTGCACAAGGACCA
GCCTTATGTCCAGAATGATTGCTACTACCATGGCCATATGGATGGAGACCCAGAGTCTATGGTTGCTATT
ACCACCTGTTATGGAGGCTTTCAAGGAATATTACAGATAAATGGCACAGTCTATGAAATCAAACCCAAGA
ACCTTTCTTCCACATTTGAACATTTGGTTCACAAGATGGACAGTGAGGAGACAGAATTACTCCCCATGAG
ATGTGCATTGACAGAAGAGATAGCAAAGCAAATGAAACGTCAGCAGAATGAGAACCCCACTCTGATGCAA
AACCACTATGAGGAATGGTGGACCCACAGGAGTTTTCTTGACCTGGCATTGGTTGTTGACTGTGAGCGAA
TTCGTTATCATAACAATAACAAATCACACGTGTTAGTGGAAGTATTCTTGATTATCAGTTTAATAAATAA
GATTTATTTTGCACTGGATATTGAGGTAGTTTTAATTGGACTTGAGTTGTGGAATGAAGGAAATCTTGTG
CCCGTGGATAGAATGCAAATTCTTCTAGAGGAATTTTGTGTTTGGAAGACTCTCAGCCTTAATATTCGAA
TTCCAAATGACATTGCACATCTTTTTGTGAATCATTCATTTGGTAAATTCCTTGGTTTAGCCTATGTTGG
TACTGTCTGTCTGCCATCTCATAATTGTGGAGTTGATCGTCTGTTAGGTCCTAATCTTTTTCAATTTGCA
CATATTATAGCACATGAGATGGGTCATAATCTGGGTATGGAGCATGATAGCAGCTCATGTACATGTGGAG
GAATAAATTATTGCTTAATGTCTTCAACGTACAGTTTCAACCCCGAGTTCAGTAACTGTAGTTATTCTAA
CTTCTGGACAACATATGCTACTACCAATTGTTTGCGCAAGGAAAAGATGTCAATAGGCAACCTACAAATC
CAGTTCTGTGGGAATGGAGTTGTTGACGATGGAGAACAGTGTGATTGTGGAGACAGGCATATGTGTGAAA
GAGATCAATGTTGTAACTCCAGGTGTGCCCTTAATGATGGCGCTGCCTGTGCTTTTGGGCTTTGCTGCTT
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TGCAACGGACATTCACATAAGTGTCCTAATGACGTTTATTTGCTTGATGGGAGTCCCTGTAGAGATGGTG
GCTACTGCTATGAGAAGAGATGTAATAACCGAGATGAACAGTGTAAGCAAATCTTCGGCAAAGAAGCCAG
GAGTGCAGATCACAGTTGCTACAGAGAACTCAACACCCAAGGTGACCGTTTTGGCAACTGTGGTATGATC
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GCATTCCATTTTTGAGGGACCATTCCACTGTACACTGGACTCACCTCAATGGTGTCACCTGTTGGGGAAC
TGACTACCATTTTGGGATGACAATCCCTGACATTGGTATTGTGAAAGATGGCACAGACTGTGGTCCAGAG
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GACCTGGTACTGATTACTCCAATTCTTTCCATTGTTTCCTTAGTCTTTCTGTTACCTTGGCTTTTGAATA
GGTATATAAGAACATCATCAAAGTTTGAGGAACCCACTGTTTCCACTTCCAAGGAGGAAGAAGAGAGCCA
TGTGGCAAGTAATGAGTCAGAAGCGCAACAGGTTGAAACA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

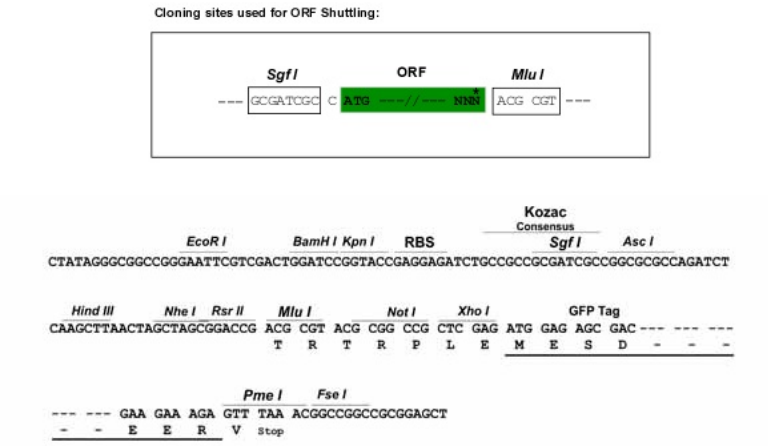
>MG214728 representing NM_001009548
Red=Cloning site Green=Tags(s)

MQTRQRASSFAATEDNIAMDKAVVYTRIPHLYLWLEILNILSSWLLTGYAQHTSLPEVVIPLRVTGNRPM
WAMGWLTYSLHFGGQKHFIHIKAKKFLVSRLFSVFTYTKQGALHKDQPYVQNDCYYHGHMDGDPESMVAI
TTCYGGFQGILQINGTVYEIKPKNLSSTFEHLVHKMDSEETELLPMRCALTEEIAKQMKRQQNENPTLMQ
NHYEEWWTHRSFLDLALVVDCERIRYHNNNKSHVLVEVFLIISLINKIYFALDIEVVLIGLELWNEGNLV
PVDRMQILLEEFCVWKTLSLNIRIPNDIAHLFVNHSFGKFLGLAYVGTVCLPSHNCGVDRLLGPNLFQFA
HIIAHEMGHNLGMEHDSSSCTCGGINYCLMSSTYSFNPEFSNCSYSNFWTTYATTNCLRKEKMSIGNLQI
QFCGNGVVDDGEQCDCGDRHMCERDQCCNSRCALNDGAACAFGLCCLYCQIMPAGTVCRQEVNECDLPEW
CNGHSHKCPNDVYLLDGSPCRDGGYCYEKRCNNRDEQCKQIFGKEARSADHSCYRELNTQGDRFGNCGMI
RDAYLRCHDPDILCGRVQCENVTRIPFLRDHSTVHWTHLNGVTCWGTDYHFGMTIPDIGIVKDGTDCGPE
HVCINKKCVSKPIWLEQCSSKTCTMKGVCNNLHHCHCNRGWDPPHCLESGFGGSVDSGPPPGEEESQQHM
DLVLITPILSIVSLVFLLPWLLNRYIRTSSKFEEPTVSTSKEEEESHVASNESEAQQVET

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001009548

ORF Size: 2280 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_001009548.2, NP_001009548.1

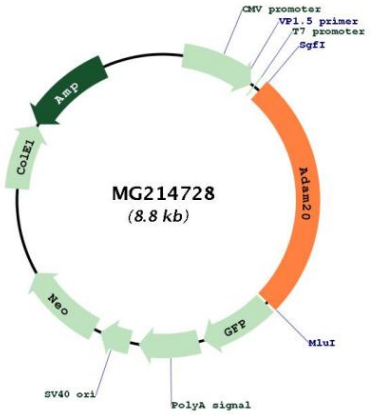
RefSeq Size: 2589 bp

RefSeq ORF: 2283 bp

Locus ID: 384806

Cytogenetics: 8 A4

Product images:



Circular map for MG214728