

Product datasheet for **RG203683**

FAM114A2 (NM_018691) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	FAM114A2 (NM_018691) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	FAM114A2
Synonyms:	133K02; C5orf3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG203683 representing NM_018691
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGTCAGATAAAGATGATATTGAGACTCCACTGCTAACTGAAGCAGCCCCATCCTTGAAGATGGAAACT
 GTGAGCCAGCCAAGAATTCTGAGTCTGTTGACCAAGGTGCCAAACCAGAGAGTAAATCAGAACCTGTAGT
 TTCCACTCGGAAAAGACCAGAGACCAAACCTTCCAGTGACCTTGAGACTTCAAAAAGTTCTCCCTATTTCAG
 GATAATGTTTCCAAAGATGTACCCAGACCAGATGGGGTTATTGGGGGAGCTGGGGCAAGTCCATACTCT
 CCTCAGCCTCGGCTACAGTAGCTACAGTAGGACAAGGCATTTCAAATGTCATCGAGAAGGCAGAGACTTC
 CCTTGGAAATCCCTAGTCCAGTGAATTTCAACTGAAGTCAAGTATGTAGCAGGAGAGACAAATGCCAAA
 GAGAATGAAAACCTCCCCAGTGGCTGGGGCATTGGTGTATTCTCTACCATCTCTACTGCTGTTTCAGA
 GCACAGGAAAAGAGTGTTATAAGTGGGGTTGGATGCCTTAGAATTCATTGGAAAAAGACAATGGATGT
 GATAGCAGAAGGGGATCCTGGATTTAAAAGAACCAAGGGTCTGATGAACCGAAATGCTACACTATCTCAG
 GTTTTACGAGAGGCGAAGGAGAAAAGAGATACGGACCTCCAATGAGGTTACCGTGAAAACAGACAAGA
 AAACTCATTATGGGCTACTCTTTGATGAATTTCAAGGCCTTTCACATCTAGAAGCTCTGGAGATGCTTTC
 CCAAGAAAGTGAATAAAGGTGAAATCTATCCTTAATTCTCTGAGTGGAGAAGAATTAGAGACTCTAAAA
 GTTGAATTAGAGCAACTCAAAGAAACATTTTCTCTAGCAGAAATTTGTGAAGAAGAGGAAGAAGAGAAAA
 AAGGGGATGAAGATTTTACCAAGGACATAACAGAGCTGTTTTCCAGCTGCACGTTTTCTCCAAACCAGA
 GAAACTTGCCAGGGCAAGAAATACCGCCACGAATGGATCAGGAAGTCTCTGACCAAGCCATTAGCAGAG
 AATGAAGAAGGAGAAAAACAGTCGGAAGCAGAAAACTGAGCAAGTCAACAAAAATTCATAGAGGATA
 TCCATGCGTTTGAATCCGGAGCCTGGCTGAACCTGACTGCCTGCTCAATTGAACATTTCCACAAAACAGC
 TGCATTGGTTCTGCATGGCAGGAAGCAGGAAGTACAGCCATAGAAAGGAGCCAAACTCTTTCCAGATG
 ACAATTGTGTGTGTAAGAGTTGCTCTCTGTCTAAAGAGTTCACTACCTGCCTAACAACTGCTGGGG
 TCAAAGAAATGGCAGATGCTCTTAACCCATTAATCACTGCAGTATTTCTAGAGGCATCAAACAGTGCCTC
 CTACATCCAGGACGCCTTTCAGCTACTCTTACCTGTGCTAGAGATCTCTCTCATTGAGAACAAGATTGAA
 TCACACAGACATGAGCTGCAGGGCCAGAAACCTTTGTTAGAACAT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG203683 representing NM_018691
 Red=Cloning site Green=Tags(s)

MSDKDDIETPLLTEAAPILEDGNCEPAKNSVESVDQGAKPESKSEPVVSTRKRPETKPSDLETSKVLPIQ
 DNVSKDVPQTRWGYWGSWGSILSSASATVATVGQGISNVIEKAETSLGIPSPSEISTEVKYVAGETNAK
 ENENSSPVAGAFGVFSTISTAVQSTGKSVISGGLDALF IGKKTMDVIAEGDPGFKRTKGLMNRNATLSQ
 VLREAKEKEEIRTSNEVTVEDKKTHYGLLFDEFQGLSHLEALEMLSQESEIKVKSILNSLSGEELET
 VELEQLKETFLAEFCEEEEEEKGDEDFTKDITELFSQLHVSSKPEKLARARNTAHEWIRKSLTKPLAE
 NEEGKQSEAENTEQVNKNSIEDIHAFAIRSLAELTACSIELFHKTAALVLHGRKQEVTAIERSQTL
 TIVLCKELSSLSKEFTTCLTTAGVKEMADVLNPLITAVFLEASNSASYIQDAFQLLLPVLEISLIENKIE
 SHRHELQGQKPLLEH

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_018691

ORF Size: 1515 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_018691.2](#), [NP_061161.2](#)

RefSeq Size: 2886 bp

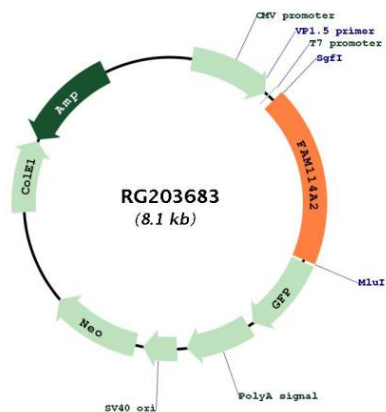
RefSeq ORF: 1518 bp

Locus ID: 10827

UniProt ID: [Q9NRY5](#)

Cytogenetics: 5q33.2

Product images:



Circular map for RG203683