

Product datasheet for **RG203837**

FAM114A1 (NM_138389) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	FAM114A1 (NM_138389) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	FAM114A1
Synonyms:	Noxp20
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG203837 representing NM_138389
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGTCGTGATGATGCTGGTGACACCTTAGCCACTGGAGACAAAGCAGAAGTTACTGAGATGCCTAATAGTG
ATTCTTTACCTGAGGATGCAGAAGTGCATTGTGATTGAGCTGCAGTTTCACATGAGCCAACACCAGCTGA
CCCCAGAGGGGAGGGGCATGAAAAATGCAGCTGTGCAGGGTGCAGGGGCTGCCGCCATTGGGCCCTGTG
CAGCCTCAGGATGCCAACGCCCTGGAGCCCCCTCTCAATAGAGACGTGACTGAGGATACACTTGCTGAAT
GTATTGATTCCGTGAGCCTTGAGGCAGAACCCAGATCCGAAATACCCCTGCAAGAACAGAATTATCCGGC
TGTGGATTCCCTCCAAGTGGAGGAGGATGGCAGGCTGGGGATCCTGGGGCAATCTCTGCTGTCGTGA
GCATCTGCCACAGTAGGTGATGGATTGACGGCAGTCAAGGAAAAAGCAGGAGCCACTCTACGGATTGATG
GTGTAATTCTGGATCTTCTGAAGGAGCCCAACCAAATACTGAAACGGAGTCCCTGAAATAACAGATGC
AGCCACAGATCAGGGCCCTGCAGAAAGCCACCCACTTCCCCTTCATCAGCCTCTCGGGGTATGCTGTCT
GCCATCACCAATGTGGTTCAAAACACAGGTAAAAGTGTCTTAAGTGGAGGCCTTGATGCGTTGGAATTCA
TCGGCAAGAAAACCATGAATGTCCTTGCAAGAAAGTGACCCGGGCTTAAAGCGGACCAAGACGCTCATGGA
GAGAAGTGTTCCTTGCTCAGATGTTAAGGGAAGCTAAGGAGAAGGAGAAGCAGAGACTGGCACAGCAG
CTCAGCATGGAGAGAACC CGC GCACTACGGGATGCTGTTTGATGAATATCAAGGCTTGTCACACCTGGAAG
CCCTGGAATTTCTGTCCAATGAAAGCGAAAGCAAGGTTGAGTCATTTTTAGCATCACTTGATGGAGAGAA
GCTGGAAGTCTTAAAAAATGACCTAATTTCCATTAAAGACATCTTTGCAGCCAAAGAAATTAGAGAAATGAA
GAAAAATCAAGAAGAACAAAGGCTTAGAAGAAAAAGGGAGAAGAAATTTGCTCGCATGCTTACAGAGCTTCTCT
TTGAATTACATGTGGCGGCCACACCTGACAAACTCAATAAGGCCATGAAGAGGGCTCATGACTGGGTGGA
AGAGGATCAAACCGTGGTGTGAGTAGATGTGGCAAAAGTGTCCGAAGAAGAAACAAAGAAGGAAGAAAAAG
GAAGAGAAATCTCAAGACCCTCAAGAAGACAAAAAGGAGGAAAAAGAAACTAAGACCATAGAGGAAGTAT
ACATGTCGTCCATTGAAAGTCTGGCGGAGGTAAACAGCGCGCTGTATTGAGCAGCTTCATAAAGTAGCAGA
ATTAATTTCTCATGGACAAGAAGAGGAAAAACAGCTCAGGACCAAGCAAAAGTTCTAATAAAATTAAGT
ACTGCAATGTGCAATGAAGTGGCCTCTTTATCAAAGAAGTTTACGAATTTCTTAACCACTGTTGGGAGCA
ACAAGAAGGCCGAGGTCTTAAACCCCATGATCAGTAGTGATTGTTAGAGGGCTGCAACAGTACAACGTA
CATACAGGATGCCTTCCAGCTGCTGCTGCCTGTTCTGCAGGTCTCATATCCAGACCAGTTGTTTGAAA
GCACAGCCG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG203837 representing NM_138389
Red=Cloning site Green=Tags(s)

MSDDAGDTLATGDKAEVTMPNSDSLPEDAEVHCDSSAAVSHEPTPADPRGEGHENAAGVQAGAAAAIGPPV
QPQDANALEPPLNRDVTEDTLAECIDSVSLEAEPRSEIPLQEYNPAVDSPSPGGGWAGWGSWGKSLSS
ASATVGHGLTAVKEKAGATLRIHGVNSGSSEGAQNTENGVPETDAA TDQGPAESPTSPSSASRGLMS
AITNVVQNTGKSVLTGGLDALEF IGKTKMNVLAESDPGFKRKTLMERTVLSQMLREAKEKEKQRLAQ
LTMERTAHYGMFLDEYQGLSHLEALEILSNESESKVQSFLASLDGKELELLKNDLISIKDIFAAKELENE
ENQEEQGLEEKGEFARMLTELLFELHVAATPDKLNKAMKRAHDWVEEDQTVVSVDAKVSEETKKEEK
EESQDPQEDKKEEKKTKTIEEVYMSSIESLAEVTARCIEQLHKVAELILHGQEEEEKPAQDQAKVLIKLT
TAMCNEVASLSKKFTNSLTTVGSNKKAEVLPNMISSVLEGCNSTTYIQDAFQLLLPVLQVSHIQTSC
LKAOP

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN: NM_138389

ORF Size: 1689 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_138389.1](#), [NP_612398.1](#)

RefSeq Size: 2129 bp

RefSeq ORF: 1692 bp

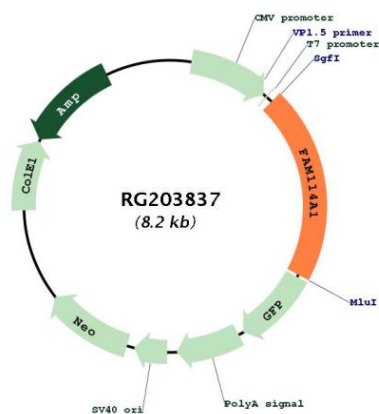
Locus ID: 92689

UniProt ID: Q8IWE2

Cytogenetics: 4p14

Gene Summary: The protein encoded by this gene belongs to the FAM114 family and may play a role in neuronal cell development. Alternative splicing results in multiple transcript variants.
[provided by RefSeq, Apr 2017]

Product images:



Circular map for RG203837