

Product datasheet for **RC203837**

FAM114A1 (NM_138389) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	FAM114A1 (NM_138389) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	FAM114A1
Synonyms:	Noxp20
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RC203837 ORF sequence

Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGTCGTGATGATGCTGGTGACACCTTAGCCACTGGAGACAAAGCAGAAGTTACTGAGATGCCTAATAGTG
ATTCTTTACCTGAGGATGCAGAAGTGCATTGTGATTGAGCTGCAGTTTCACATGAGCCAAACCAGCTGA
CCCCAGAGGGGAGGGGCATGAAAAATGCAGCTGTGCAGGGTGCAGGGGCTGCCGCCATTGGGCCCTGTG
CAGCCTCAGGATGCCAACGCCCTGGAGCCCCCTCTCAATAGAGACGTGACTGAGGATACACTTGCTGAAT
GTATTGATTCCGTGAGCCTTGAGGCAGAACCCAGATCCGAAATACCCCTGCAAGAACAGAATTATCCGGC
TGTGGATTCCCTCCAAGTGGAGGAGGATGGCAGGCTGGGGATCCTGGGGCAAATCTCTGCTGTCGTGA
GCATCTGCCACAGTAGGTGATGGATTGACGGCAGTCAAGGAAAAAGCAGGAGCCACTCTACGGATTGATG
GTGTAATTCTGGATCTTCTGAAGGAGCCCAACCAAATACTGAAACGGAGTCCCTGAAATAACAGATGC
AGCCACAGATCAGGGCCCTGCAGAAAGCCACCCACTTCCCCTTCATCAGCCTCTCGGGGTATGCTGTCT
GCCATCACCAATGTGGTTCAAAACACAGGTAAAAGTGTCTTAAGTGGAGGCCTTGATGCGTTGGAATTCA
TCGGCAAGAAAACCATGAATGTCCTTGCAAGAAAGTGACCCGGGCTTTAAGCGGACCAAGACGCTCATGGA
GAGAAGTGTTCCTTGCTCAGATGTTAAGGGAAGCTAAGGAGAAGGAGAAGCAGAGACTGGCACAGCAG
CTCAGCATGGAGAGAACC CGC GCACTACGGGATGCTGTTTGATGAATATCAAGGCTTGTCACACCTGGAAG
CCCTGGAATTTCTGTCCAATGAAAGCGAAAGCAAGGTTGAGTCAATTTTACGATCACTTGATGGAGAGAA
GCTGGAAGTCTTAAAAAATGACCTAATTTCCATTAAAGACATCTTTGCAGCCAAAGAATTAGAGAATGAA
GAAAAATCAAGAAGAACAAAGGCTTAGAAGAAAAGGGAGAAGAAATTTGCTCGCATGCTTACAGAGCTTCTCT
TTGAATTACATGTGGCGGCCACACCTGACAAACTCAATAAGGCCATGAAGAGGGCTCATGACTGGGTGGA
AGAGGATCAAACCGTGGTGTGAGTAGATGTGGCAAAAGTGTCCGAAGAAGAAACAAAGAAGGAAGAAAAAG
GAAGAGAAATCTCAAGACCCTCAAGAAGACAAAAAGGAGGAAAAAGAAACTAAGACCATAGAGGAAGTAT
ACATGTCGTCCATTGAAAGTCTGGCGGAGGTAAACAGCGCGCTGTATTGAGCAGCTTCATAAAGTAGCAGA
ATTAATTTCTTCATGGACAAGAAGAGGAAAAACAGCTCAGGACCAAGCAAAAGTTCTAATAAAATTAAGT
ACTGCAATGTGCAATGAAGTGGCCTCTTTATCAAAGAAGTTTACGAATTTCTTAACCACTGTTGGGAGCA
ACAAGAAGGCCGAGGTCTTAAACCCCATGATCAGTAGTGATTGTTAGAGGGCTGCAACAGTACAACGTA
CATACAGGATGCCTTCCAGCTGCTGCTGCCTGTTCTGCAGGTCTCATATCCAGACCAGTTGTTTGAAA
GCACAGCCG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC203837 protein sequence

Red=Cloning site Green=Tags(s)

MSDDAGDTLATGDKAEVTEMPNSDSLPEDAEVHCDSSAAVSHEPTPADPRGEGHENA AVQGAGAAAIGPPV
QPQDANALEPPLNRDVTEDTLAECIDSVSLEAEPRSEIPLQE QNYP AVDSPPSGGGWAGWGSWGKSLSS
ASATVGHGLTAVKEKAGATLRIHG VNSGSSEGAQPN TENG VPEITDAATDQGP AESPPTS PSSASRGLS
AITNVVQNTGKSVLTGGLDALEF IGKKT MNVLAESDPGFKRKTLMERTVSL SQMLREAKEKEKQRLAQ
LTMERTAHYGM LFDEYQGLSHLEALEILSNESESKVQSFLASLDG EKLELLKNDLISIKDIFAAKELENE
ENQEEQGLEEKGE EFARMLTELLFELHVAATPDKLNKAMKRAHDWVEEDQTVVSV DVAKVSEEE TKKEE
EESQDPQEDKKEEKKTKTIEEVYMSSIESLA E V TARCIEQLHKVAELILHGQEEEEKPAQDQAKVLIKLT
TAMCNEVASLSKKFTNSLTTVGSNKKA E VLNPMISSV LLEG CNSTTYIQDAFQLLLPVLQVSHIQTSCLK
AOP

TRTRPLEOKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mk6344_a12.zip

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: 4138 bp

RefSeq ORF: 1692 bp

Locus ID: 92689

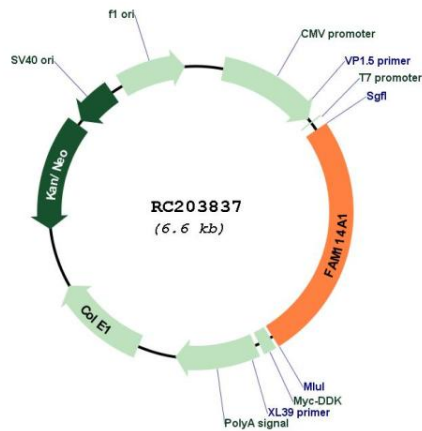
UniProt ID: Q8IWE2

Cytogenetics: 4p14

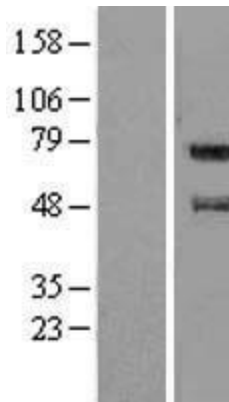
MW: 60.8 kDa

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]

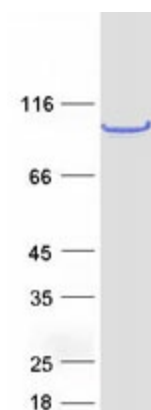
Product images:



Circular map for RC203837



Western blot validation of overexpression lysate (Cat# [LY408653]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC203837 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified FAM114A1 protein (Cat# [TP303837]). The protein was produced from HEK293T cells transfected with FAM114A1 cDNA clone (Cat# RC203837) using MegaTran 2.0 (Cat# [TT210002]).