

Product datasheet for **MR208971**

Fam114a1 (NM_026667) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Myc-DDK
Symbol:	Fam114a1
Synonyms:	1190001N04Rik; 9130005N14Rik; Noxp20
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



ORF Nucleotide Sequence: >MR208971 representing NM_026667
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGTCTGATGATGCTCGTGACACCATAGCCAATGGAGTCGGAGAAGATGCTGCTGAGATGCCAACAGTG
 ACTCCCTGCTGAAGATGCAGCAGAAGTGCAGTGTGGTCCAGCTACAACCTCAAATGAACAGCACCAGA
 TGACCACATGGAAGAGCAGCCTGAGATCACAGCTATGTGTGCAGAGTCCACCCCTCCAGGGATTCTAGAC
 CAATCCAAGGCCAGTGTGCCGACGAGACCCCTCAATGGAGAAGTAAGTGAAGACACCCCTGGTTGAGT
 GCGTTGATTCGCTCAGCCTCGAGGGAGACACCGGATCTGAAATACCTCTGAAAGAACAGGATGACGCGGC
 TGTGGACCCCTCATCACAGGCAGGAAGATGGGAGGCTGGGGATCCTGGGGGAAATCTCTGCTCTCATCT
 GCATCAGCCACAGTAGGTCATGGATTAACAGCAGTCAAAGAAAAGGCAGGGGCAACCTACGAATCCACA
 GTGCCAATTCTGCATCTCCGAAGGGGCCCACTGATGCTGAAAACGGAATCTCTGAAATGTGACTCC
 AGATCAGGACCCTGCCAGAGGCCCCCACTCCTCTCCACAGGGGCGCAGGGTCGAGAGGCATGCTG
 TCAGCCCTACCAATGTGGTTCAAACACGGGCAAAAGCGTCTTAACCGAGGTCTGGATGCTTTAGAAT
 TCATTGGCAAGAAAACCATGATTGTCTCGCAGAAAGCGACCCAGGGTTTAAGCGGACCAAGACACTGAT
 GGAACGAATGTCTCTTGTCCAGATGTTGAGAGAAGCAAGGAGAAGGAGAAGCAGAGGTTGGCCAG
 CAGCTCACAGTGGAGAGGACTGCACACTATGGGATGCTGTTTGTATGAATATCAAGGTTTGTACACCTGG
 AAGCCCTGGAATTTCTGTCCAATGAGAGTGAGAGCAAGGTTTCACTCCTTTAACATCCCTGGATGGAGA
 GAAGCTAGAACTCTTGAATAATGACCTAATTTCAATCAAGGACATCTTTGTAGCCAAAGAATCAGAGAAT
 GAAGCAAAACCAGAAGAACAAGGCCTAGAAGAAAGCGGGGAAGAATTTGCCAGGATGCTTACAGAGCTCC
 TGTTTGAATTACAGCTCGCCGCCACACCTGACAACTCAATAAGGCCATGAAGAAAGCTCATGACTGGGT
 GGAAGAAGATCAAAGCGTGGTGTGCATAGATGTGGCCAAAGGGTCGAGGAGGAAGAGAAGGAAGGA
 AAGGAAGAGAAAGCCGAAGAACCTGAAGAAGACAAAACAGGGGGCAAGGAGCTAAGACTGTAGAGGAAG
 TGTACATGCTGTCCATTGAAAGTCTGGCTGAAGTCACTGCACGCTGCATTGAACAGCTACATAAGGTTGC
 AGAGTTGATTCTCCATGGACAAGAGGAGGAGAAACCAGCTCAAGACCAAGCAAGAGTTCTGATAAAATTA
 ACCACAGCAATGTGCAATGAAGTAACCTCCTTATCGAAGAAGTTTACAAATCTTTAACCACTGTTGGGA
 GCAACAAGAAGGCTGAAGTCTTAACCCCATGATCAATAGTGTGTTTTAGAGGGCTCCAATAGCACCAC
 ATATGTGCAGGACGCCCTCCAGCTGCTGCTCCCGTACTGCAGGTCTCCACATCCGCACCAGCTGTTTG
 AAAGCTACAGCCAGCCAGATTGCAGC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR208971 representing NM_026667
 Red=Cloning site Green=Tags(s)

MSDDARDTIANGVGEDAAEMPNSDSPAEDAAEVQCGPATTSNAPDDHMEEQPEITAMCAESTPPGILD
 QSKASAADETPLNGEVTEDTLVECVDSVSLEGDTGSEIPLKEQDDAAVDPSSQAGRWAGWSGKSLSS
 ASATVGHGLTAVKEKAGATLRIHSANSASPEGAPTDENGISGNVTPDQDPARGPHTPPPPGAAGSRGML
 SALTNVQNTGKSVLTGGLDALEFIGKKTMIVLAESDPGFKRTKLMERTVSLSQMLREAKEKEKQRLAQ
 QLTVERTAHYGMLFDEYQGLSHLEALEILSNESESKVQSFLTSLDGEKLELLKNDLISIKDIFVAKES
 EANPEEQGLEESGEEFARMLTELLFELHVAATPDKLNKAMKKAHDWVEEDQSVVSIDVAKGSEEEKEEG
 KEEKAEEPEEDKTGGQGAKTVEEVYMLSIESLAEVTARCIEQLHKVAELILHGQEEKPAQDQARVLIKL
 TTAMCNEVTSLSKFTNSLTTVGSNKAEVLNPMINSVFLEGSNSTTYVQDALQLLLPVLQVSHIRTSCL
 KATAQPDSCS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9078_a01.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_026667

ORF Size: 1707 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:

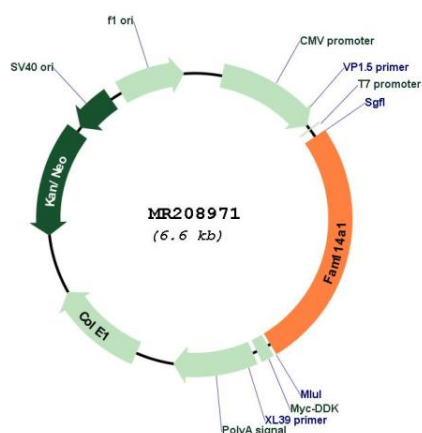
1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store 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_026667.3](#), [NP_080943.3](#)

RefSeq Size: 2949 bp

RefSeq ORF:	1710 bp
Locus ID:	68303
UniProt ID:	Q9D281
Cytogenetics:	5 C3.1
MW:	61 kDa
Gene Summary:	May play a role in neuronal cell development.[UniProtKB/Swiss-Prot Function]

Product images:


Circular map for MR208971