

Product datasheet for **RR208921**

Fam162a (NM_001029903) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Fam162a (NM_001029903) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Fam162a
Synonyms: MGC116101
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR208921 representing NM_001029903
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGTGGAGCTCCGCGGCTGCGCTGGCGGTGGACATTGTTTTAGGTTATGTGAAAGAAATGTTTCCT
CGCCACTAAGGTTAACCAGGAACACTGACTTGAAGAGGATCAATGGATTCTGCACCAAGCCACAAGAAAG
TCCCAAAGCTCCAACCCAGTCTTACAGACACAGGGTGCCGTTTACAAGCCACAGACTTCGAGAAGAAG
ATCCTGCTGTGGTCAGGCCGCTTCAAGAAGGAGGAAGAGATCCCAGAGACAATCTCGTTTGAGATGCTTG
ACGCTGCAAAGAACAAGATCCGGGTGAAGGTCAGCTATTTAATGATTGCCCTAACAGTGGCAGGATGCGT
CTATATGGTTATTGAGGGCAAGAAGCTTGAACCTAGAAAGGAAAGCCCGTCTGAGAGAGGAGGCAGCTAT
GAAGGCCAAAGCGGACTAGACGTATTTGTGCTGGATTTGGAAAAGCCAGGAATATCCAAAAACCATCCC
CCTCTGGGAAAGCTATTGAAAGAGAACGAGACACTGTCCAGGGA

ACGCGTACGCGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR208921 representing NM_001029903
Red=Cloning site Green=Tags(s)

MWSLRGLRLAAGHCFRLCERNVSSPLRLTRNTDLKRINGFCTKPQESPKAPTQSYRHRVPLHKPTDFEKK
ILLWSGRFKKEEIPETISFEMLDAAKNKIRVKVSYLMIALTVAGCVYMVIEGKKLEPRKESPSERGGSY
EGQSGLDVFLDLEKPGIFQKPSPSGKAIERERDVTQG

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

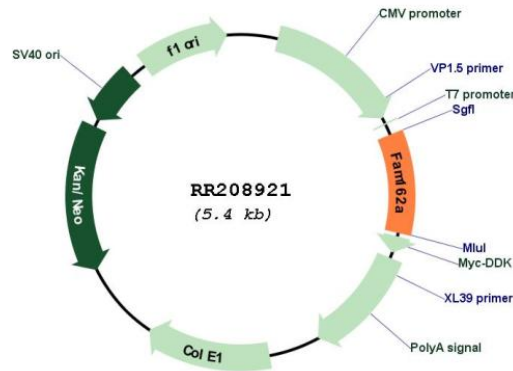
Restriction Sites: SgfI-MluI



Cloning Scheme:



Plasmid Map:



ACCN: NM_001029903

ORF Size: 534 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:	<ol style="list-style-type: none">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:	<u>NM_001029903.1</u> , <u>NP_001025074.1</u>
RefSeq Size:	537 bp
RefSeq ORF:	537 bp
Locus ID:	360721
Cytogenetics:	11q22
MW:	20.2 kDa
Gene Summary:	may be involved in cell proliferation [RGD, Feb 2006]