

Product datasheet for RR209207

Fam172a (NM_001106401) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Fam172a (NM_001106401) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Fam172a
Synonyms:	RGD1305526
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RR209207 representing NM_001106401 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAAAAAGGACGAACCACCTTTTGATTTTCCAGATACACTGGAAGGCTTTGAATATGCTTTTAAATGAAA
AGGGGCAGTTAAGACACATAAAAACTGGAGAACCATTTGTTTTAACTACCGAGAAGACTTACACAGGTG
GAACCAGAAAAGATATGAAGCTCTGGGTGAGATCATCACAAGATATGTTTATGAGCTCCTGGAAAGTGAC
TGTAACCTGAAAAAATCTCTATTCCAGTAGATGCCACTGAAAGTGAACCAAAGAGTTTTATCTTTATGA
GTGAGGATGCTTTGACAAATCCACAGAACTGATGGTTTTAATTCATGGTAGTGGTGTGTCAGGGCAGG
TCAGTGGGCTAGAAGGCTTATTATTAATGAAGATCTGGACAGTGGCACACAGATACCTTTTATTAAGAGA
GCTGTGGATGAAGGTTATGGAGTCATAGTCCTCAACCAAATGAAAACTATATAGAAGTGGAAAAGCAGA
AAATGCATAAAACAATCATCTTCTGATGGCACAGATGAGCCAGCAGGGAAGCGGAAAGGAAAAGATAAGGT
CTCCAAGGAAACAAAGAAGCGCCGCGATTTCTACGAGAAGTACCGTAACCCCAAAGGAGAAAGAAATG
ATGCAGTTGTTTATCAGGGAAAATGGTTCTCCAGAAGAACATGCAGTCTATGTGTGGGACCATTTTCATAG
CCCAGGCTGCTGCTGAGAATGTATTCTTTGTTGCTCATAGCTATGGAGGACTTGCTTTTGTGTAAGTACTG
GATCCAACGAGAAGCAGATGTAAAAAGTAAGGTGACTGCTGTGGCATTGACAGACTCTGTTCACAATGTG
TGGCATCAAGAAGCTGGCAAAAGCATCCGAGAATGGATGAGAGAGAACTGTTGCAACTGGGTCTCCAGCT
CAGAACCCTTAGATACATCAGTGGAGTCCATGCTGCCTGACTGTCCAGAGTGTCTGCAGGCACCGACCG
TCACGAGCTCACTTCGTGGAAGAGCTTCCCGTCCATCTTCAAGTTCTTCGCGGAAGCCTCAGAAGCCAAG
AGCAGCTCGCAGAAGCCGACCCTGACGCGGCGCTCGCACC GGATCAAGCACGAGGAGCTG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR209207 representing NM_001106401
 Red=Cloning site Green=Tags(s)

MKKDEPPFDFTLEGFEYAFNEKGQLRHIKTGEPFVFNRYREDLHRWNQKRYEALGEITRYVYELLES
 CNLKKISIPVDATESEPKSFI FMSDAL TNPQKLMVLIHGSGVVRAGQWARRLI INEDLDSGTQIPFIKR
 AVDEGYGVIVLNPENYIEVEKQKMHKQSSSDGTDEPAGKRERKDKVSKETKKRRDFYEKYRNPQKEKEM
 MQLFIRENGSPEEHAVYVWDHFIAQAAAENVFFVAHSYGLAFVELMIQREADVKSKVTAVALTDSVHNV
 WHQEAGKSIREWMRENCNWNVSSEPLDTSVESMLPDCPRVSAGTDRHELTSWKSFP SIFKFFAEASEAK
 SSSQKPTLTRRSHRIKHEEL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

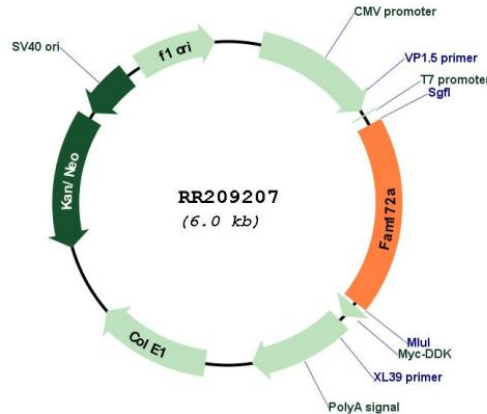
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001106401

ORF Size:	1110 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:	NM_001106401.1 , NP_001099871.1
RefSeq Size:	3907 bp
RefSeq ORF:	1113 bp
Locus ID:	294606
Cytogenetics:	2q11
MW:	42.8 kDa