

Product datasheet for **RR213715**

Fam43a (NM_001039002) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
 Product Name: Fam43a (NM_001039002) Rat Tagged ORF Clone
 Tag: Myc-DDK
 Symbol: Fam43a
 Synonyms: RGD1304790
 Vector: pCMV6-Entry (PS100001)
 E. coli Selection: Kanamycin (25 ug/mL)
 Cell Selection: Neomycin
 ORF Nucleotide Sequence: >RR213715 representing NM_001039002
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCTGCCGTGGAAGAAGCACAAAGTTCGAGCTGCTGGCCGAGGCCGCCGCCGCGGCAGGCGTCCAAGCCTA
 AGGGCTACGCTGTGAGCCTGCACTACTCCGCGCTCAGCTCCCTGGCGAGAGCCTGCCCGAAGGCCGCGCT
 CAGCCGGGTGGGCAGCATGTTCCGCTCCAAGCGCAAGAAGCTGCACATCACCAGCGAGGACCCCACTTAC
 ACTGTGCTCTACCTGGGAATGCCACCACCATCCAGGCTCGCGGGGACGGTTGTACTGACCTAGCGGTGG
 GCAAGATCTGGAGCAAGAGTGAGGCCGGCCGTC AAGGGACTAAGATGAAGCTGACCGTGAGTGCCGAAGG
 CATCCGCATGGTGCATGCCGAGGAACGAGCGCTGCGACGTCCCGGACACCTCTACCTGCTGCACCGCGTC
 ACCTACTGTGTGGCAGACGCGCGGTTGCCCAAAGTCTTCGCTGGGTGTACCGGCATGAGCTGAAGCACA
 AGGCGGTAATGCTACGCTGCCACGCGGTGCTGGTGTCCAAGCCGAGAAGGCTCAGGCCATGGCCCTGCT
 GCTCTACCAGACGTCAGCCAACGCTCTGGCAGAGTTTAAACGTCTCAAGCGCGGGATGATGCACGTAC
 CAGCAGCAGGAGTTGGTGGCGCACACCATCCCTTAGTGCCGCTGCGCAAGCTGCTCTGCACGGAC
 CTTGCTGCTACAAGCCGCAAGTGGAGCGTAGCCGACGCTCCCAAGCTGGGCTCCATCACCGAGACCT
 GCTTGGGGAACAGCAGGAGGAGGAGCTGCAGGAAGAAGAAGAAGAGGAGCACCTCGAGGGCTGCCTGGAG
 GAGGAGGAGGAGGAGGAGGAAGAAGAAGAGGACCGCTGGGGATGGGGATCCAGCAGAGGAAGAGGCTG
 AGACGCAGAGGGCGCTGGTGGTGGCCATGCAGTTGGAATGTGAGGACTTGTGGACCCGCTGGAAAAATGG
 CCACGAGGAGGCGTTGGGGGACGGTGGGTCTCTCTGGGCCCCAGCTCCGGGACACCACTTCTCTGTCA
 GGCTGTGCTTCAGACATGAAGGCCCAACTGTCACAGCTTATTAGTGACCTGGGTGACCTTAGCTTTGGCA
 ATGACGTGAGCACCTGGAGTCCGACTTAAAGGTGACACGCTGTTGTGGGCGAGAGCACAGGCAGCGA
 GAGCTCCATCGAGGTGGAGCCTGGACGCCACCTCGGCCAGCCCTGGCAACCCATCCGGCCCTGCTGAC
 AGCACCAGCCTAGATGAGCCCTACTCAAGC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA



Protein Sequence: >RR213715 representing NM_001039002
 Red=Cloning site Green=Tags(s)

MLPWKKHKFELLAEAPPRQASKPKGYAVSLHYSALSSARACPEGALSRVGSMFRSKRKKLHITSEDPTY
 TVLYLGNATTIQARGDCTDLAVGKIWSKSEAGRQGTKMKLTVSAQGIRMVHAEERALRRPGHLYLLHRV
 TYCVADARLPKVF AWVYRHELKHKAVMLRCHAVLVSKPEKAQAMALLLYQTSANALAEFKRLKRRDDARH
 QQQLVGAHTIPLVPLRKLKLLHGPCCYKPPVERSRAPKLGSTEDLLGEQQEEELQEEEEEEHLEGCLE
 EEEEEEEEDRVGDGDPAEAAAETQRALVYVAMQLECEDLLDPLENGHEEALGDGGVSLGPSSGTPPLPS
 GCASDMKAQLSQLISDLGDLDFGNDVSTLESCLRVRLLSGESTGSESSI EGGGLDATSASPGNPSGPAD
 STSLDEPYSS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

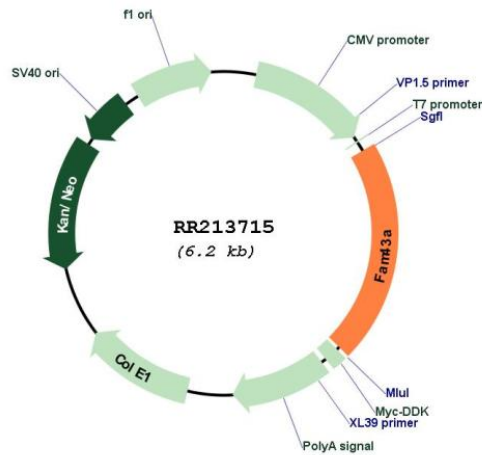
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001039002

ORF Size:	1290 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_001039002.1 , NP_001034091.1
RefSeq Size:	2436 bp
RefSeq ORF:	1293 bp
Locus ID:	288031
Cytogenetics:	11q22
MW:	47 kDa