

Product datasheet for **MR223759**

Fam43a (NM_177632) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Fam43a (NM_177632) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Fam43a
Synonyms:	Tuf1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR223759 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGCTGCCGTGGAAGAAGCACAAAGTTTCAGCTGCTGGCCGAGCGCCGCCGCGGAGGCGTCCAAGCCTA
 AGGGCTACGCTGTGAGCCTGCACTACTCCGCGCTCAGCTCCTGGCGAGAGCCTGCCCGGAAGGCGCGCT
 CAGCCGGGTGGGACGATGTTCCGCTCCAAGCGCAAGAAGCTGCACATCACAGCGAGGACCCCACTTAC
 ACTGTGCTCTACCTGGGAATGCCACCACCATCCAGGCGCGGGGACGGTTGCACTGACCTAGCGGTGG
 GCAAGTCTGGAGCAAGAGTGAGGCCGGCCGTCAGGGACTAAGATGAAGCTGACCGTGAGTGCGAAGG
 CATCCGCATGGTGCATGCCGAGGAGCGAGCGCTGCGACGTCGCCGCCACCTCTACCTGCTGCACCGCGTC
 ACCTACTGTGTGGCAGACGCGCGCTACCCAAAGTCTTCGCTGGGTATACCGGCATGAGCTGAAGCACA
 AGGCGGTAAATGCTACGCTGCCACGCGGTGCTGGTGTCCAAGCCGAGAAGGCTCAGGCCATGGCTCTGCT
 GCTTTACCAGACATCAGCCAACGCTCTGGCAGAGTTTAAACGCTCAAGCGCGGGATGATGCGCGTCAC
 CAGCAGCAGGAGTTGGTGGGCGCACACACCATCCCACTAGTGCCGCTGCGCAAGCTGCTCTTGACGGAC
 CTTGCTGTACAAGCCGCCAGTGGAGCGCAGCCGAGCGCTCCAAGCTGGGCTCCATCACCGAGGACCT
 GCTTGGGGAACAGCAAGAGGAGGAGCTGCAGGAGGAAGAAGAGGAGCATCTGGAGGACTGCCTGGAGGAG
 GAGGAAGAAGAGGACGGTGTGGGGATGGGGATCCAGCAGAGGAAGAGGCTGAGGCGCAGAGGGCGCTGG
 TGGTGGCCATGCAGTTGGAATGTGAGGACTTGTGGACCCGCTGGAAAATGGCCACGAGGAGGCGTTGGG
 GGACGGCGGGTCTCGCTGGGCCAGCTCGGGACATCACTTCTCTGTGAGTGTGCCTCAGACATG
 AAGGCCAACTGTACAGCTTATTAGTGACCTGGGCGACCTAGCTTTGGCAATGACGTGAGCACCTGG
 AGACCGATTTAAGGGTGACACGCTGCTGTCGGGCGAGAGCACAGGACGAGAGCTCCATCGAGGGCGG
 AGGCTGGATGCCACCCCTGTACGCCCTGGCAACCCATCGGGCCCTGCTGACAGCACAGCCTAGATGAG
 CCTACTCGGGC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR223759 protein sequence
 Red=Cloning site Green=Tags(s)

MLPWKKHKFELLAEAPPRQASKPKGYAVSLHYSALSSLARACPEGALSRVGSFMRKRKLLHITSEDPTY
 TVLYLGNATTIQARGDGDLDLAVGKIWSKSEAGRQGTMMKLTVSAQGIRMVHAERLRPPGHL YLLHRV
 TYCVADARLPKVF AWVYRHELKHKAVMLRCHAVLVSKPEKAQAMALLL YQTSANALAEFKRLKRRDDARH
 QQQELVGAHTIPLVPLRKL LHHGPCCYKPPVERSRSAPKLSITEDLLGEQQEELQEEEEHLEDCL EE
 EEEEDGVGDGDP AEEEEAEQRALVVAMQLECEDLLDPLENGHEEALGDGGVSLGPPSSGTSPLSVCASDM
 KAQLSQLISDLGDL SFGNDVSTLETLRLVTRLLSGESTGSESSIEGGGLDTPVSPGNPSGPADSTSLDE
 PYSG

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM_177632

ORF Size: 1275 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.

RefSeq: [NM_177632.3](#), [NP_808300.1](#)

RefSeq Size: 3075 bp

RefSeq ORF: 1275 bp

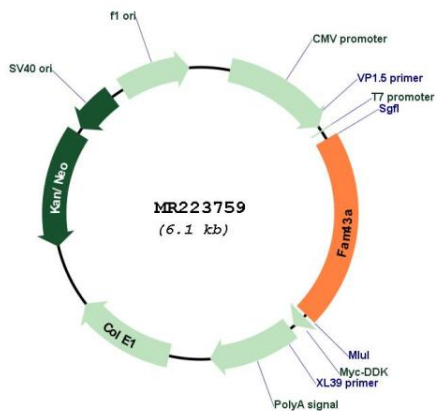
Locus ID: 224093

UniProt ID: [Q8BUP8](#)

Cytogenetics: 16 B2

MW: 46.2 kDa

Product images:



Circular map for MR223759