

Product datasheet for **MG223759**

Fam43a (NM_177632) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Fam43a (NM_177632) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Fam43a
Synonyms:	Tuf1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG223759 representing NM_177632 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCTGCCGTGGAAGAAGCACAAAGTTCGAGCTGCTGGCCGAGGCGCCGCCGCGCAGGCGTCCAAGCCTA
AGGGCTACGCTGTGAGCCTGCACTACTCCGCGCTCAGCTCCTTGGCGAGAGCCTGCCCGAAGGCGCGCT
CAGCCGGGTGGGAGCATGTTCCGCTCCAAGCGCAAGAAGCTGCACATCACCAGCGAGGACCCCACTTAC
ACTGTGCTCTACCTGGGAATGCCACCACCATCCAGGCGCGCGGGACGTTGCACTGACCTAGCGGTGG
GCAAGATCTGGAGCAAGAGTGAGGCCGGCCGTCGAAGGACTAAGATGAAGCTGACCGTGAGTGCGCAAGG
CATCCGCATGGTGATGCCGAGGAGCGAGCGCTGCGACGTCGCCGCCACCTCTACCTGCTGCACCGCGTC
ACCTACTGTGTGGCAGACGCGCGGCTACCCAAAGTCTTCGCTGGGTATACCGGCATGAGCTGAAGCACA
AGGCGGTAATGCTACGCTGCCACGCGGTGCTGGTCCAAAGCCGGAGAAGGCTCAGGCCATGGCTCTGCT
GCTTTACCAGACATCAGCCAACGCTCTGGCAGAGTTTAAACGCTCAAGCGGCGGGATGATGCGCGTCAC
CAGCAGCAGGAGTTGGTGGGCGCACACACCATCCCACTAGTGCCGCTGCGCAAGCTGCTCTTGCACGGAC
CTTGCTGCTACAAGCCGCCAGTGGAGCGCAGCCGACGCTCCCAAGCTGGGCTCCATCACCGAGGACCT
GCTTGGGAACAGCAAGAGGAGGAGCTGCAGGAGGAAGAAGAGGAGCATCTGGAGGACTGCCTGGAGGAG
GAGGAAGAAGAGGACGGTGTGGGGATGGGATCCAGCAGAGGAAGAGGCTGAGGCGCAGAGGGCGCTGG
TGGTGGCCATGCAGTTGGAATGTGAGGACTTGTGGACCCGCTGGAAAATGGCCACGAGGAGGCGTTGGG
GGACGGCGGGGTCTCGTGGGCCCCAGCTCGGGGACATCACTTCTCTGTGAGTCTGTGCCTCAGACATG
AAGGCCAACTGTACAGCTTATTAGTGACCTGGGCGACCTTAGCTTTGGCAATGACGTGAGCACCTGG
AGACCGATTTAAGGGTGACACGCCTGCTGTGGGCGAGAGCACAGGCGAGAGCTCCATCGAGGGCGG
AGGCTGGATGCCACCCCTGTCAGCCCTGGCAACCCATCGGGCCCTGCTGACAGCACCAGCCTAGATGAG
CCCTACTCGGGC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG223759 representing NM_177632
 Red=Cloning site Green=Tags(s)

MLPWKKHKFELLAEAPPRQASKPKGYAVSLHYSALSSSLARACPEGALSRVGSFMRKRKLLHITSEDPTY
 TVLYLGNATTIQARGDGDCTDLAVGKIWSKSEAGRQGTKMKLTVSAQGIRMVHAEERALRRPGHLYLLHRV
 TYCVADARLPKVFAWVYRHELKHKAVMLRCHAVLVSKPEKAQAMALLLYQTSANALAEFKRLKRRDDARH
 QQQLVGAHTIPLVPLRKLKLLHGPCCYKPPVRSRSAPKLGSTIEDLLGEQQEEELQEEEEHLEDCL
 EEEEEEDGVGDPAEEAEAEQRALVAMQLECEDLLDPLENGHEEALGDGGVSLGPSSGTSPLSVCASDM
 KAQLSQLISDLGDLDFGNDVSTLETDLRVTRLLSGESTGSESSIEGGGLDTPVSPGNPSGADSTSLDE
 PYSG

TRTRPLE - GFP Tag - V

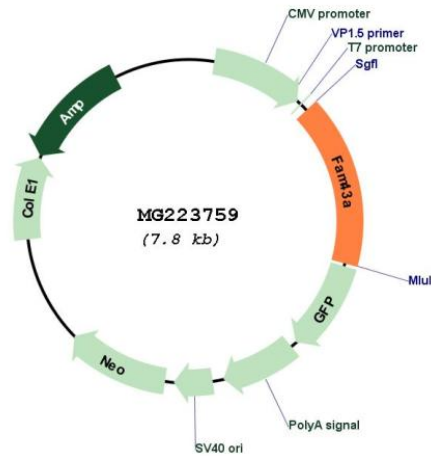
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN:

NM_177632

ORF Size:	1272 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_177632.3 , NP_808300.1
RefSeq Size:	3075 bp
RefSeq ORF:	1275 bp
Locus ID:	224093
UniProt ID:	Q8BUP8
Cytogenetics:	16 B2