

Product datasheet for **MR207157**

Fam161a (NM_028672) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Fam161a (NM_028672) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Fam161a
Synonyms:	4930430E16Rik; RP23-160F12.1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide Sequence:

>MR207157 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGTCAAATAGAGAAATGTACCAGGACAAGCTAAATATAAAGACATCCAGGCGGGTTCATCAGGG
 ATGGGATCAGCGATTCGCTTCGAGTTCTGCATCGGAAAAGAGCTGCTCACATCCTGCCTTGTCAGTGAC
 CTCACCTTCAGAGCCTGACCTAGACGGGTCGCTCCTCCTTGTCCAACTACTGATGAGGGTTGCCCGAC
 CTAGAGGAAAAGACTCCCGGGGAAAGCAGCGCAATGGTCCATGCCAGGAGCTCATAAACACATGTGGA
 ACGACTTTTCTGTTGAAGATTATATTCAGTATGACTCAGACTCCCGAACAGCTAAGAAAAAAGGAAGAA
 AGCTAAATCCTTGACACCAAGATTACAGTGCCTGTACCCTTTGAAATGACGGTAAGAGAGCAGAATCGG
 AGAGAGAAGGCCCTTGAGTCTCGGTCAGATCTGGAAACAAAGCTGCTCAAGAGGGACGAGGACGATCGAG
 AGTGTAAAGAAGAAATCCGAGCCAATCCCGTTCCTTCTGCGTGTCTTCCCCTTTATGAGGATCTAGT
 CAAGCAGAGTGAGGAGCGCCGGAAGAAGGCCCGGAGAGGAACAGAGCTGCGCTCCTGGCCTCCCTGAAG
 CCTTTAAGTTTCATTGCGAGGGAGGAACAGAAGCAAGCAGTCCGCGAGAAGAAGCTGAGAGACCTTTTAA
 GGGCTAAAAGGAAAACGAATCAGTTTAAAGCAAACCTGTGCCTCGTTTTATTTACAGGCCAGCTGCGAG
 TGACAAGCCAAAGGAAGAAGAGCTCTATGGGGACAGCAGGATGCTGCCAAAGGTCAGAGATCTGTTACAG
 AATTCGCCTTGCCCAAGTCGGTCAGCTTGACAGCTTTCAGGGACCCAGAAAGTCTGCAAAGCCAGGG
 GTAACACAGGCGTAGGTGCCTGAGGCGTGATGGAGACTTAGAAAAATGGAAGGAGCCCTTCTCTGAATA
 CAGCTTTCTGAAATGCCCAATGCTTTGTGAAGAGTGTGTCTTCACGAATCCCCTGTGACTCTGATAAA
 AGACAGAAACTCTGGCAGACATCAGAGCAGATGAAGAAATTTGAGAGAAACACGAGGCCGGGTCGGT
 CTCCTAGGCGCAAGTCAACGGGAAGAAGCTCGAACCCAAAGCCAGGCCTCATGAATGCAGCCACCGGAT
 GCCCACCGCTCTTCCCGAGGGCGGGAGCAAGCCATCAGAAGGAGTGAAAAGGCCAGGATGAGAGAATAT
 TGGCAAGAAGTGGAGGAACAAGAGGAAAACTGCAGAAGAGGCCGATGTTGTTTGAAGAGTCACCCAGG
 TTGTGTTATTGGT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR207157 protein sequence
 Red=Cloning site Green=Tags(s)

MSKLEKMYQDKLNIKDIQAGFIRDGISDSSSSASEKSCSHPALSVTSLSEPDLDGSSSLSTTTDEGLPD
 LEEKTPGESSAMVHAQELINNWNDFSVEDIQYDSDSRTAKKKRKKAKSLTPKITVVPVFEMTVREQNR
 REKALSARSDLETLLKRDEDDAECKKKFRANVPVSCVLLPLYEDLVKQSEERRKKARERNRAALLASLK
 PFKFIAREEQKQAVREKKLRDLFRAKRKTNQFKAKPVPRFIYRPAASDKPKEEELYGDSRMLPKVRDLLQ
 NSPWPSRSACRRFRDPRSPAKPRGKRRRCLRRDGDLEKWKPEPFSEYSFLKCPMLCEECLHESPCDSK
 RQKLLADIRADEEILRETRRPGRSPPRRKSPGRSSNPKPRPHECSPMPTASSRGREQAIRRSEKARMREY
 WQELLEEQEEKLQKRPMLFERVTQVVFIG

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

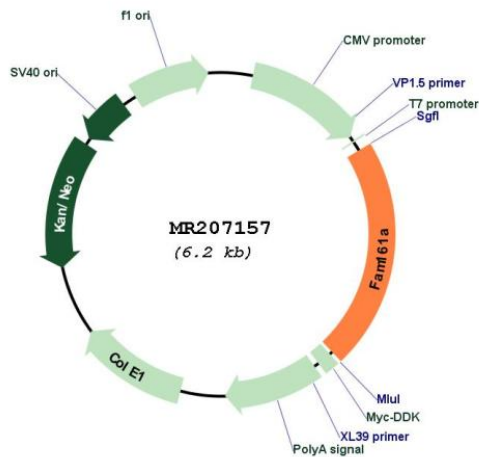
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_028672

ORF Size: 1347 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_028672.1](#), [NP_082948.1](#)

RefSeq Size: 1953 bp

RefSeq ORF: 1428 bp

Locus ID: 73873

UniProt ID: [Q8QZV6](#)

Cytogenetics: 11 A3.2

MW: 52 kDa

Gene Summary: Involved in ciliogenesis.[UniProtKB/Swiss-Prot Function]