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Product datasheet for MR213558

Fam171b (NM_175514) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Fam171b (NM_175514) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Fam171b
Synonyms:	D430039N05Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

View online »

ORF Nucleotide Sequence:

>MR213558 representing NM_175514
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCGAGGCTCTGCCGTCGCGTCCCCTGCGCCCTGCTCCTCGGCCTGGCCGCTGTGCTGCTGAAGGCGC
GGCTGGTCCCCGCGGCCGCTAGAGCCGAACTCAGTCGCTCCGACCTCAGCCTCATCCAGCAGCAGCAGCA
GCAGCAGCTGCAAGAGCAAAAGCAGCGGGAGGAGGCAGAGGAGGGGAGGCCGGAGGTGCCTGGGGCATCC
TCTACTTTGGTGGCTCCAGTGTCCGTATTTATGCTGAAAGTCCAGGTCAATGACATCGTCAGTCGCCAGT
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AAGAGGTCTATGGGCGGTCCCACATTCCCGAGCAGCTCATGCACATCTACAGCCAGCCTATTGCCATCCT
TCAGACATCAGACCTTTTCTCCATGCCAGAGCAGTTACATGCCGCTAAGTCTGCCACTTTACCAAGAAAG
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GATTCCCCTAAAC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR213558 representing NM_175514
Red=Cloning site Green=Tags(s)

MARLCRRVPCALLLGLAAVLLKARLVPAAARAELSRSDLSLIQQQQQQQLQEQKQREEAEEGRPEVPGAS
STLVAPVSVFMLKVQVNDIVSRQYLSQAVVEVFVNYSKTNSTVTRSNGAVLIKVPYQLGLSLTIVAYKDG
YVLTSLPWKTGRMPIYSSVTLSLFPQSQANIWLFEDTVLITGKLADAKSQPSVQFSKAFIKLPDNHHISN
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FLTAILGGTIVIIIGFFAILLCYCRGKCATPQKRERNITKLEILKRDQTTSTTHINHISSVKTALKAEDK
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GQLVYGQLMEPVNRENFTQTLPKMPMHSHVQAPDAREEDIVLEGQQSLPSQTSDWSRYSNSLLESVSVPG
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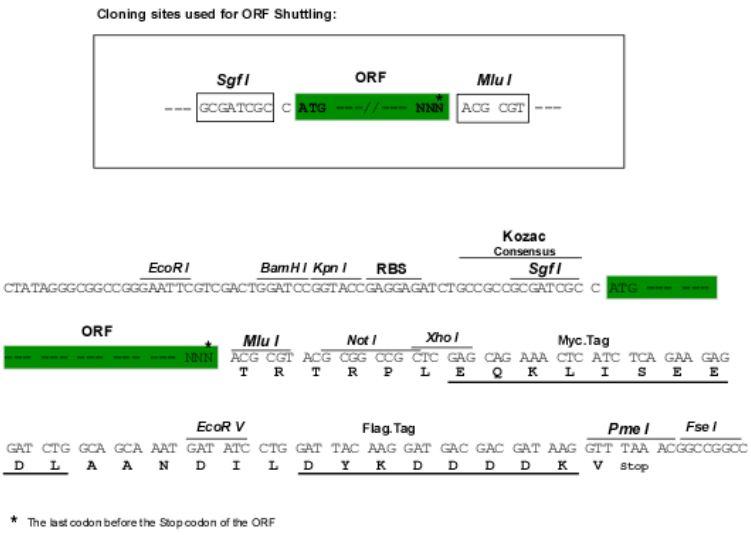
SGVDMNEHQSSRKLEREKTFIKSMHQPKILYLEDLDLSSSESGTTVCSPEDPALRHILEGGSGVIIEHPG
EESPGRKSTVEDFEANTSPTKKRGRPPPLAKRDSKTNIWKKREERPLIPLN

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9003_g10.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_175514

ORF Size: 2463 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_175514.3

RefSeq Size: 3394 bp

RefSeq ORF: 2466 bp

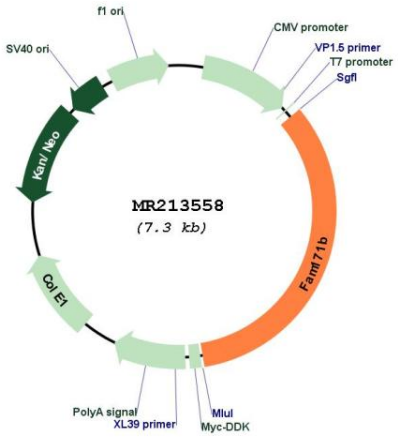
Locus ID: 241520

UniProt ID: Q14CH0

Cytogenetics: 2 D

MW: 92 kDa

Product images:



Circular map for MR213558