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Product datasheet for MR210952

Fam13b (NM_146084) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Fam13b (NM_146084) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Fam13b
Synonyms:	2610024E20Rik; AW060714; AW546153
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

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ORF Nucleotide Sequence:

>MR210952 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGAGGAAGAGCTCCTCCCCTTCCTTGAGTAACTGCAACTCCGATCTTGCTAGCAAAATATTTGGAATTC
CACTTGATGAGCTGCAGCAGGGAGGACATCCAGACAATGAGGTTCCGTTCATAGTCCGCCACGTTGTGGA
CTATATTGAGGAACATGGAGGTCTGGAGCAACAAGGGCTGTTTCAAGTCAATGGGAATGCTGAGACAGTG
GAGTGGCTTCGGCAGAGATACGACAGTGGAGAAGAGGTGGACTTGGTTAAGGAAGCGGACGTCCCCTCAG
CCATTAGTCTCCTTAGGTTTTTCCTGCAGGAGCTCCCTGAGCCCGTCATACCTGGCAGCTTGCATATTCA
CTTGCTGCAGCTTTCTCAAGATTATAATAATGAAGATGAATTTGGAAGAAAGTTGAGGTTCCTCTTGCAA
CAGCTTCCACCTGTTAATTACAGTTTGTTAAAGTTTCTGTGTAGGTTTTTAGCCAATGTAGCATCACATC
ATGAAGAAATTTGGTCTGCAAATTCTTTGGCTGCTGTTTTTGGTCCAGATGTCTTCCACATTTACACGGA
TGTGGAAGATATGAAAGAGCAGGAAATTGTGAGCAGGATAATGGCGGGACTTCTAGAAAATTATTACGAG
TTTTTTGAGAATGAAGAGGAAGATTTTTCATCAAATGATTTGAGTTCAATTACTGAGCAGGTTAATGAAC
TTTCTGAGGAAGAAGAGGAAGATGAAAAGCTGGAGCATATAGAAGAACTTCCAGAAGAAGGTGTAGAAAA
GTCAGCTGGCATGCCAGAGGTGCTGCAGTTAAGGATGACTGAAAACCTTCTGGACTCAGACAGTGTTACA
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TCGTGTTCCGGTGCTTGAGGAATATAAGGAATACAAGAGAATCAAAGCCAAGCTTAGACTTCTTGAAGTT
CTTATCAGCAAACAAGACTCTTCAAAATCCATA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

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Protein Sequence:

>MR210952 protein sequence
Red=Cloning site Green=Tags(s)

MRKSSSPSLSNCNSDLASKIFGIPLDELQQGGHPDNEVPFIVRHVVDYIEEHGGLEQQGLFQVNGNAETV
EWLRQRYDSGEEVDLVKEADVPSAISLLRFFLQELPEPVIPGSLHIHLLQLSQDYNNEDEFGRKLRFLLQ
QLPPVNYSLLKFLCRFLANVASHHEEIWSANSLAAVFGPDVFHIYTDVEDMKEQEIVSRIMAGLLENYYE
FFENEEEDFSSNDLSSITEQVNELSEEEEEDEKLEHIEELPEEGVEKSAGMPEVLQLRMTENLLDSDSVT
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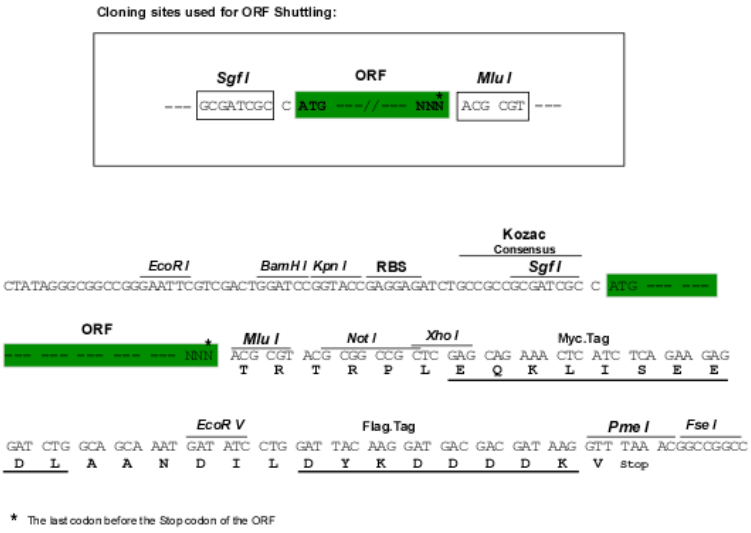
RKEYLLCDSDKLPHLILDSSSKIRDLNANTELEVTEGQSVGVQGEAACIQIAQLDLKNVSDGDKWEEPFP
AFKSWQEDCESGEAQLSPQAARMTHHPLGEDCPPVLSHRSLDFGQSQRFLHDPEALDFSSKALSFTRIRR
SSFSSKDEKREDRTPYQLVKKLQKKIRQFEEQFERERNSKPSYSDIAANPKVLKWMTELTKLRKQIKDAK
HKNSDGEFAPQTRPRSNTLPKSFGSSLDHEDGESEGEPRVIQKEKTPSKEATLELITKRLKENRAERHLP
EDIKKMTKDHLIEEKTSLQKSLLYYESQHGRPVTREERHIVKPLYDRYRLVKQMLTRASITPVLGSPSTK
RRGQMLQPIIEGETAHFFEEIKEEEEDGVSLSSELGDILSTSVHTQSSLENLESDAEENQEKLARDLCLS
STRAASVPELLEQLWKARAEKKKLRKMLREFEEAFYQQNGRNAQKEDRVPVLEEYKEYKRIKAKLRLLEV
LISKQDSSKSI

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



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ACCN:	NM_146084
ORF Size:	2556 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_146084.1, NP_666196.1
RefSeq Size:	3359 bp
RefSeq ORF:	2556 bp
Locus ID:	225358
UniProt ID:	Q8K2H3
Cytogenetics:	18 B1
MW:	97.1 kDa

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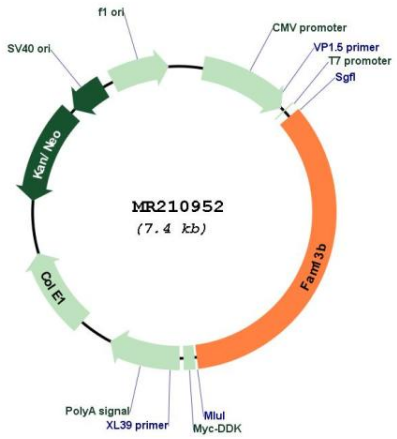
Product images:



Circular map for MR210952

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