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Product datasheet for RR209827

Fam222b (NM_001109038) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Fam222b (NM_001109038) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Fam222b
Synonyms:	RGD1566149
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin

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ORF Nucleotide Sequence:

>RR209827 representing NM_001109038
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGCTAGCCTGTCTACCAGGGCCAGGTGACCTGTCCTTTCAGCTTCTTTCTCACACGCAGATGAACGCTG
GACTTCAGAAATGGGACACTACACAGAAAATGAGAACTGCTCACTATCCCACCCCAGCCGAATTGGACGC
GTATGCTAAGAAGGTCGCAAACAACCCACTGACTATAAAAATCTTCCCCAACAGTGTGAAGGTTCCCCAG
CGGAAACACGTTCGTCGTACTGTGAACGGCCTCGACACATCAGCCCAGCGCTACAGCCCCTACCCGACTC
AGGCTGCCACCAAGGCAGGCCTGCTTGCCATTGTCAAAGTGCCAGCCAAAAGCATACTCAAGGACTTTGA
CGGCACCCGAGCTCGGGTACTCCCTGAGGCCATCATGAACCCCCCAGTGGCACCCTATGCTACTGTGGCA
CCCAGCACTTTAGCCCACCCACAGGCCCAGGCTCTGGCCCGCCAGCAGGCCCTGCAGCATGCACAGACCC
TGGCCCATGCCCCTCCCCAGACACTGCAACACCCTCAGGGTATACCACCACCACAGGCACTGTCTCACCC
TCAGAGCCTCCAGCAGCCTCAGGGCCTGGGCCACCCTCAGCCGATGGCCCAAACCCAGGGCTTAGTCCAC
CCTCAGGCCCTGACTCACCAGGGTCTCCAGCACCCCCCTAATCCTTTGCTGCATGGAGGCCGGAAGATGC
CAGACTCAGATGCACCCCCGAATGTGACCGTGTCTACCTCAACTATCCCCCTTTCAATGGCGGCCACCCT
GCAGCACAGCCAGCCCCCGGACCTGAGCAGCATCGTGCACCAGATCAACCAGTTTTGCCAGACGAGGGCA
GGCATCAGCACTACCTCAGTGTGTGAGGGCCAGATCGCCAATCCCAGCCCTATTAGTCGCAGTCTGCTCA
TCAATGCAAGCACCCGGGTGTCGACCCACAGTGTCCCCACACCAATGCCTTCATGTGTGGTCAATCCCAT
GGAGCACACCCATGCGGCCACAGCCGCTCTGCCTGCTGCAGGTCCTGTCAACCTGCCCACAGGCATCTCT
CGAGCCCCCACTGGCTACCCTAGCGACCTCAAGCCAGTTACCTGGAACCAGCACCAGCTGGCCCACCTAC
AACAGATGTGCAGCGAGGCCGGAGGGACACCAGCCCCTGGCCTGACAGGCAAACATACAGCAGGACGTGA
GTTGGCAGGGCCTGGTTTTGTGGGCAAGGCCCCTGCCTACCCGCAGGAACTCTGCCTGGCACAGTCCTTC
CATCTGAAGCCACCCCTGGAGAAGCCAACCCCATCCCCACCAGTCAACGGCCTACCAGCCCCACTGGCCT
ACCCCAATGGTCACTACTTCCAACCCCTGTGGAACAACATTCTACCAACTCCCAATAGCGACAGCTCGGG
GTCTCAGGACCTCGCCATGCCGTTCCATGGTGGGCAGCCCACAGGTGCACCCCTCGACTGTGGGGCAGCT
CCTGGGGCCCACTACCGAGCAGGGACTGGGGGTGGTCCAGTGGCAAGCCAGAACAGCCTGATGCAGACGG
TGGATTACCTGAGTGGGGATTTCCAGCAGGCCTGCTTCCGAGAACAGAGCCTGGCCATGCTGAGCAAGGC
CCACCGAGCTCCTGGTGCCCGAGCCCCGGAGCCCACAGATAGTCGAAGTCTTCATATTCAGCACCCAGGG
TACAGA

AGCGGACCGACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
TGGATTACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR209827 representing NM_001109038
Red=Cloning site Green=Tags(s)

MLACLPGPGDLSFQLLSHTQMNAGLQKWDTTQKMRTAHYPTPAELDAYAKKVANNPLTIKIFPNSVKVPQ
RKHVRRTVNGLDTSAQRYSPYPTQAATKAGLLAIVKVPAKSILKDFDGTRARVLPEAIMNPPVAPYATVA
PSTLAHPQAQALARQQALQHAQTLAHAPPQTLQHPQGIPPPQALSHPQSLQQPQGLGHPQPMAQTQGLVH
PQALTHQGLQHPPNPLLHGGRKMPDSDAPPNVTVSTSTIPLSMAATLQHSQPPDLSSIVHQINQFCQTRA
GISTTSVCEGQIANPSPISRSLLINASTRVSTHSVPTPMPSCVVNPMEHTHAATAALPAAGPVNLPTGIS
RAPTGYPSDLKPVTWNQHQLAHLQQMCSEAGGTPAPGLTGKHTAGRELAGPGFVGKAPAYPQELCLAQSF
HLKPPLEKPTPSPPVNGLPAPLAYPNGHYFQPLWNNILPTPNSDSSGSQDLAMPFHGGQPTGAPLDCGAA
PGAHYRAGTGGGPVASQNSLMQTVDYLSGDFQQACFREQSLAMLSKAHRAPGARAPEPTDSRSLHIQHPG
YR

SGPTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-RsrII

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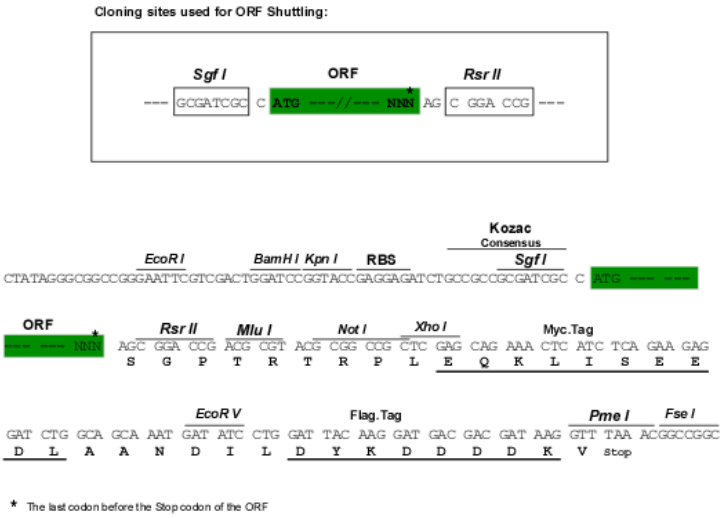
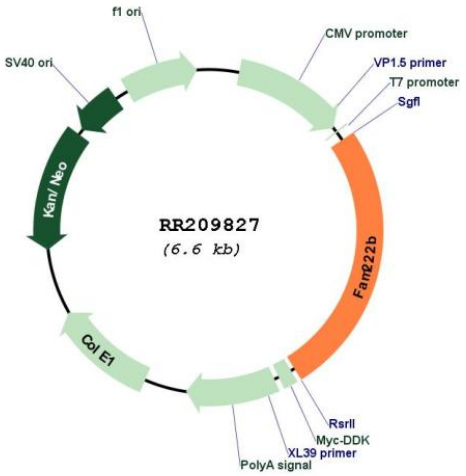
Cloning Scheme:



Plasmid Map:



ACCN: NM_001109038

ORF Size: 1686 bp

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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_001109038.1, NP_001102508.1
RefSeq Size:	4062 bp
RefSeq ORF:	1689 bp
Locus ID:	497960
Cytogenetics:	10q25
MW:	59.5 kDa

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