

Product datasheet for **RR213608**

F13b (NM_001105956) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	F13b (NM_001105956) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	F13b
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RR213608 representing NM_001105956
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGAGGCCGAGACACTTGCCATTTATTCTTATATTAATCATCTCAGGAGAACTCTATGCAGAAGAGAAAC
 AGTGTGATTTTCTGCCGTGAAAAATGGAAGAATTGCCCAATATTATTACGTTTTAAAAGCTATTACTT
 CCCCATGAGCATAGACAAAAAATCATCTTCTGTTTGGCTGGCTATGCAACCGAAAAGTGGGAAGCAA
 GAAGAGAAAAATCAGGTGTACAGCGGAAGGCTGGTCTCCAAAACCAAGGTCTACAAAAATGCCTGAAGC
 CTGTCTTAAGGAATGGCTATGTCTCTGATGGCAAAGTACTATACAAAATCAAGAGAATATGCGTTACGG
 TTGCACCTCAGGATACAAAACGACTGGGGGAAAGGATGAAGAAGTGGTCCAGTGTCTTTCTGAAGGGTGG
 TCTTCTCAACCGTCTGCAGGAAAGAACAAGAGACATGTTTGGCCCTGAGTTGCATCATGGGAATTATT
 CCACGATACAGAGGACATTCAAAGTGAAGGACAGAGTGCAGTACACATGCACTGCAGGCTACTACACCGC
 CACAGGGAAGCAGACTGAGGAAGTGGAGTGCCAGGCTCATGGCTGGTCTTCACGCCACAGTGAACAAA
 TTAATGTGCTCTTCTTTGAGATTAATAGAAAATGGCTATTTTCATCCTGTAAAGCAAACCTATGAAGAAG
 GAGATGTAGTTCAATTTTTCTGTCATGAAAATTATTACCTAAGTGGATCTGATTTAATTCAGTGTCTATAA
 CTTTGGCTGGTATCCAGAATCGCCCATATGTGAAGGAAGAAGAAATCGATGCCCTCTCCACCTGTGCC
 CTAATTTCTAAAGTTGAACCGCATTCAACAACCTACCGTCACGGAGAAGTAGTTCATATAGAATGTGAGC
 TTAATTTTGCATCCAGGGTTCAGATGCACTAGTCTGTGAAAAATGGGAAGTGGACGGAACCTCCAAAATG
 TGTTGAAAATATTGAGAATTGTAAGCCTCCTCTGTTATAGCCAATGGTGCAGTTGTTGATGATTTACTG
 GCAAGTTACACAACAGGATCTTCGGTGAATAACAGATGCAATGAGTATTACTTATTGAAGGGATCGCAA
 CATCTCTGTGAGCAAGGAACATGGTCACTGCCACCTGTCTGCTTGGAGCCATGCACATTTGATGTGCA
 TCACATGAACAGGAATAACATACAGATGAAGTGGAAATATGAGGGCAAGATTTTACATGGAGACATGATA
 GATTTTGTGTGTAACAAGGCTATGTTTTGCCACTGTCGACCACCTGTCTGAAGTGTCTGTGCAGTGCA
 ATAGAGGAGATGTGAGGTACCCTGTGTGTGTGAGAAGAGAATCTAAAGGGATGTGTGCATCTCTCCAGT
 GATAAGAAATGGGAACATTGTTAGCTTAGTAGCCAGCACCTATGAAAATGGCTCGTCAGTAGAGTACCAG
 TGCTTTGATAGCCATTTCTACAAGGGTACGGGATGCCACTGTGTAGATGGAGTGTGGACTACACCAC
 CATCTTGTTTAGAGCCTGCACATTATCATTTGTTGAAATGGATAAAGAACTATTTACAGCTGAAATGGAA
 TTTTGACAACAGACCGCTCATTCTCCATGGCAGTATATTGAATTTATTTGCAAGGGAGATGCATATATG
 ACTGAGACATCTATTCTGAGTCTGAACCTCGAGTGCAGTGTGACGGGGGAACTGAAATACCCTAAGT
 GTACTCCAAGAGAAAGGAGTCTGTCTTTCAAGGAAGCATTAAAGGACC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR213608 representing NM_001105956
 Red=Cloning site Green=Tags(s)

MRPRHLPFILILIIISGELYAEEKQCDFPAVENGRIAQYYYTFKSYFFPMSIDKLSFFCLAGYATESGKQ
 EEKIRCTAEGWSPKPRCYKCLKPVLNRNGYVSDGKVLKIQENMRYGCTSGYKTTGGKDEEVVQCLSEGW
 SSQPSCRKEQETCLAPELHHGNYSTIQRTEFKVKDRVQYTCTAGYYTATGKQTEEVCEQAHGWSFTPQCNK
 LMCSSLRLIENGYFHPVKQTYEEGDVVQFFCHENYYLSGSDLIQCYNFGWYFESPICEGRRNRCPPPPVP
 LNSKVEPHSTTYRHGEVVHIECELNFAIQGSDALVCENKWTPEPKCVENIENCKPPPVIANGA VDDLL
 ASYTTGSSVEYRCNEYLLKGSQTSLEQGTWSSPPVLEPCTIDVHHMNRNNIQMKWKYEGKILHGDMI
 DFVCKQGYVPLSTTLSEVSVQCNRGDVRYPVCRRESKGMCA SPPVIRNGNIVSLVASTYENGSSVEYQ
 CFDSHFLQGSRDAYCVDGVWTTTPPSCLEPCTLSFVEMDKNYLQLKWNFDNRPLILHGEYIEFICKGDAYM
 TETSIPESLRVQDGGILKYPKCTPRERSLSFQEALRT

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:


ACCN: NM_001105956

ORF Size: 1797 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_001105956.1](#), [NP_001099426.1](#)

RefSeq Size: 2172 bp

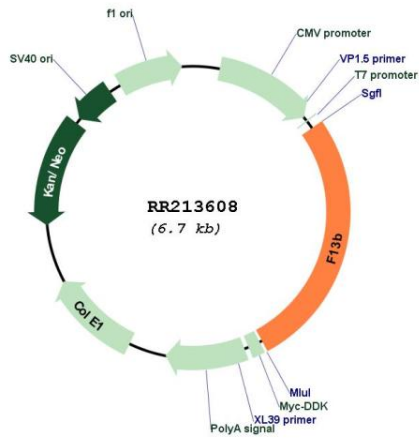
RefSeq ORF: 1800 bp

Locus ID: 289055

Cytogenetics: 13q13

MW: 68.2 kDa

Product images:



Circular map for RR213608