

Product datasheet for **RR208632**

Nrbf2 (NM_022186) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Nrbf2 (NM_022186) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Nrbf2
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RR208632 representing NM_022186 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAAGTGATGGAAGGACCCCTCAACCTTGCTCACCAACAGAGCCGACGGGCAGACCGTTTGTAGCTG
CTGGGAAATACGAAGAAGCGATTTCTTGTACAAAAAGGCGACAGCCTATCTCTGAAGCCATGAAGCT
GACACAGTCTGAACAGGCTCACTTATCACTGGAAGTCAAGGGATAGCCACATGAAGCAGCTTCTCCTC
ATCCAGGAGAGGTGGAAGAGAGCGAAGCGAGAGGAGCGGTTGAAAGCGCAGCAGACAGACCGGGATG
GAGTCCCCCACCTGCAGGCATCTCACAGACCCTCTGAGGACTCGGAAGGCCAGAGCCCTTCTTTCTCA
GACATACATCCCTTCCACAGAGAAGCGCCTCCCTGAGGAGCAGGGGTCTTTGACAGGGATCCAGACAG
TTGCTATTTTTACTTCAGCAAAAGAAATGAGCCGTGAGAGCCCTGTATTGGAAGCAAGGCCCAAAAGATG
ATAAGACGATTATAGAGGAGCAGGCAACCAAGATTGAGAGTTGAAGAGGCACGTGGAGTTCCTTGTGGC
GGAGAACGAAAGACTAAGGAAAGAAAATAACAGCTAAAGGCTGAAAAGGCCAGGCTCCTGAAGGGCCA
GCCGAGAAGGAGCTGGATGTCGATGCGGACTTTGTGAGAAAGTGGAGCTGTGGGCTTGGCCCACT
CGGACACCGCCACTGCCTTTCTACCTGGCAGAAGTTTGCAGCTAACACGGGAAAGCCAAGGACATTCC
AATACCAACCTCCCGCTCTGGATTTCCGCTCCAGAAGTCCCTCTGATGGAGCTCTCGGAGGACATT
CTGAAAGGATTCATGAATGAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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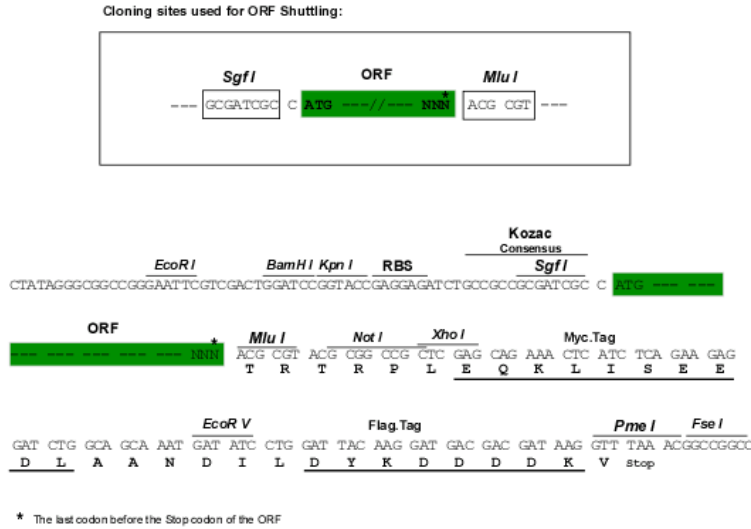
Protein Sequence: >RR208632 representing NM_022186
Red=Cloning site Green=Tags(s)

MEVMEGPLNLAHQSSRRADRLAAGKYEEAISCHKKATAYLSEAMKLTQSEQAHLSELEQRDASHMKQLLL
 IQERWKRAKREERLKAQQSTDRDGVPHLQASHRPSSEDSGQSPLLSQTYPSTEKRLPEEQGVFDRDPDT
 LLFLLQQKNPSEPCIGSKAPKDDKTIIEEQATKIAELKRHVFLVAENERLRKENKQLKAEKARLLKGP
 AEKELDVDAADFVEKSELWGLPPHSDTATASSTWQKFAANTGKAKDIPINLPLDFPSPPLMELSEDI
 LKGFMD

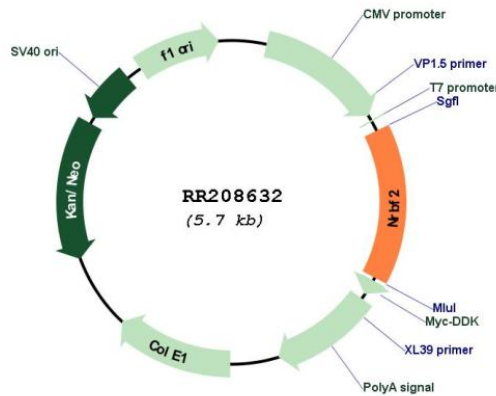
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_022186

ORF Size:	861 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:	<ol style="list-style-type: none">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_022186.1 , NP_071522.1
RefSeq Size:	1759 bp
RefSeq ORF:	864 bp
Locus ID:	58839
UniProt ID:	Q9QYK3
Cytogenetics:	20p11
MW:	32.6 kDa
Gene Summary:	interacts with peroxisome proliferator-activated receptor alpha and may have gene activation functions [RGD, Feb 2006]