

Product datasheet for **RR208008**

Brix1 (NM_001029915) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Brix1 (NM_001029915) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Brix1
Synonyms:	Bxdc2; RGD1308508
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RR208008 representing NM_001029915 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**C

ATGGCGGCGACTAAGAGAAAGCGGCGTGGGACCTGGAGGTTCAAGCAAAGAAGCCAAAAAGAACC
AAGATGCCGGGCAGCCAGCTAAGCAGGCCGATGTGGCAAAGAGGCGGAGGAAGAAAAAGATCGTATTCC
AGGTCCTGTTTGAAGGGCAAATGGAAAAATAAGAGCGGATCCTCATCTTTCTCCAGAGGAATAAT
TTCAGAACAAGACACTTGATGCAAGACTTGAGAATGTTGATGCCTCATTCTAAAGCAGATACTAAAAATG
ATCGTAAAGATAAGTTATTTGTGATAAATGAGGTCTGTGAAATGAAAAATTGCAACAAATGCATCTACTT
TGAAGCTAAGAAAAGCAGGATCTCTATATGTGGCTTTCAAATCACCTCATGGGCCATCTGCCAAATTC
TTGGTTCAAAATATTCATACCCTGGCTGAACTAAAGATGACTGGGAACTGTTTGAAGGTTCTCGGCCCC
TTTTATCTTTTGACCCTGCTTTTGATGACTTGCCACATTATGCTTTGTTAAAAGAATTCTTAATTCAGAT
CTTTAGTACACCACGGTACCATCCCAAGAGTCAGCCGTTTGTGGACCACGTGTTTACGTTACCAATTCTG
GATAACCGGATCTGGTTTCGGAACCTCCAGATTATAGAAGAAGACGCTGCTCTAGTGAAATGGACCTC
GTTTTGTCTTAAATCTCATAAAGATTTTCAGGGAAGCTTTGGAGGACCAACCTTATATGAAAATCCTCA
TTACCAGTCTCCAAACATGCATCGGCGCGTCGTAAGGTCCATCACAGCTGCCAAGTACAGAGAGAAAACAG
CAAGTCAAAGATGTTTCAGAAATCAAGGAAGAAAGAACCAAGACTATTCTCCACAGTCCCCTGACG
ATGTGTTTGTACACCAGCAGAGGAGAAACCAATAGAAGTACAATGGGTGAAACCAAGCCAAAAGTGGA
TCTGAAAGCGAGAAAGAGAAGGATTTACAAAAGGCATCGGAAACTGCAGCAGAAGATGAGCAGAGGGGT
GCCAAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTAA



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Protein Sequence: >RR208008 representing NM_001029915
Red=Cloning site Green=Tags(s)

MAATKRKRREGDLEVQAKPKKNRKDAGQPAKQADVAKEAEEKDRIPGPVCKGKWKNERILIFSSRGIN
 FRTRHLMQDLRMLMPHSAKADTKMDRDKLFLVINEVCEMKNCKCIYFEAKKKQDLYMWLSNSPHGPSAKF
 LVQNIHTLAELKMTGNCLKGSRPLL SFDPAFDDLPHYALLKEFLIQIFSTPRYHPKSPQFVDHVFTTIL
 DNRIWFRNFQIIEEDAALVEIGPRFVLNLIKIFQGSFGGPTLYENPHYQSPNMHRRVRSITAAKYREKQ
 QVKDVQKSRKKEPKTILPHDPTADVFTPAEEKPIEVQVWKPEPKVDLKARKRRIYKRHRKLQKMSRGG
 AK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_001029915

ORF Size: 1056 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_001029915.1](#), [NP_001025086.1](#)

RefSeq Size: 2456 bp

RefSeq ORF: 1059 bp

Locus ID: 294799

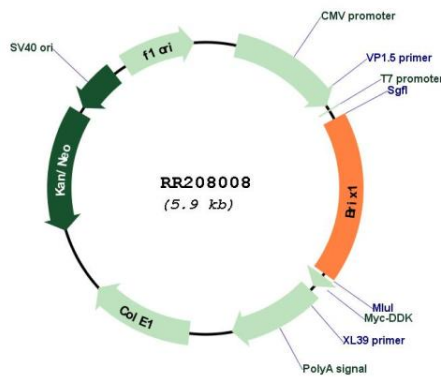
UniProt ID: [Q4QQT6](#)

Cytogenetics: 2q16

MW: 41.1 kDa

Gene Summary: Required for biogenesis of the 60S ribosomal subunit.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RR208008