

Product datasheet for RN210428

Bbox1 (NM_022629) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Bbox1 (NM_022629) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Bbox1
Synonyms:	Bbh; Bbox
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>RN210428 representing NM_022629 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGCACGTGCCATCCTAAAGGCGGAAGCAGTGGATGGGGCTCGCTTGATGCAGATCTTTTGGCAGCATG
GGCAGAGTCCCTCTACCCAGCAGTATGGCTCAGAGACAAGTGCAGTGTTCGGACTGCTATCTACATTC
TGCAAAAGCTCGAAACTTCTCCTGGAAGCTCTCGATGTGAACATTAGAATGGATGACTTGACATTTGAC
CAGAAAAAGGTTTATATCACTTGGCCCAATGGCCATTACAGCGAATTTGAAGCTAATTGGCTGAAGAAAA
GATGCTTTTCTCAGGAGGCCAGAGCAGGACTCCAAGGAGAATTTTTTACCAGAATGTCAGTACTGGGG
CTCAGAGTCCAGCTGCCAACTCTGAACCTTTGAAGATGTGTTAAATGATGATGACCATGCATACAAATGG
CTTTCTAGTCTCAAGAAAGTAGGCATTGTGAGACTCACTGGAGCAGCTGACAAACGTGGCGAGATCATAA
AACTTGGGAAAAGAATTGGCTTTCTGTACCTCACATTTTATGGACACACTGGCAAGTGCAGGACAAGAT
TGATGCCAACAAATGTGGCTTATACAACTGGGAAGCTCAGCTTCCACACAGATTACCCAGCCCTCCACCAT
CCACCTGGGGTTCAGCTTCTGCACTGTATCAAGCAAACAGTACAGGAGGTGACTCTGAAATCGTAGATG
GGTTTAAATGTGTGCCAAAACCTCAAGGAGAAGAACCCCGAGCTTTTCTATTCTCTCCACCTTTGT
GGATTTTACAGACATTGGAGTGGATTACTGTGATTTCTCTGTGCACTCTAAACACAAGATTATAGAGCTG
GATGATAAAGGCCAAGTGGTTCGCATCAACTTCAACAACGCAACCAAGAGATACAGTCTTCGATGTCCCA
TTGAAAGAGTTCAGCCTTTCTACGCTGCTCTGAAGGAGTTTGTGACCTGATGAACAGCAAGAATACAA
GTACACCTTCAAGATGAATCCAGGTGATGTGATTACCTTTGACAAGTGGCGCTTGCTTATGGAGCTCGC
AGCTATGAAGCAGGAAGTGAATATCCCGCCATCTGGAAGGCGCTTATGCTGACTGGGATGTAGTGTGT
CAAGGCTTCGTATTCTGAGACAGAGAGTCAATGGAATGA**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI



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ACCN:	NM_022629
Insert Size:	1164 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
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:	<u>NM_022629.1</u> , <u>NP_072151.1</u>
RefSeq Size:	1164 bp
RefSeq ORF:	1164 bp
Locus ID:	64564
UniProt ID:	<u>Q9QZU7</u>
Cytogenetics:	3q34
Gene Summary:	Catalyzes the formation of L-carnitine from gamma-butyrobetaine.[UniProtKB/Swiss-Prot Function]