

Product datasheet for **RN207789**

Bop1 (NM_001024250) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Bop1 (NM_001024250) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Bop1
Synonyms:	MGC109114
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN207789 representing NM_001024250
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCGGGGGCGTGTGGTAAGCACCACATGTCACCGGGATCGCTGCCAGGAAACGGCGTTTGGAACTG
 ATCAGGAGCCACAGATACAAGAGCCTTCTCCTCAGCGACCCTGACTCCAGTCTCTCTGACAGCGAGGA
 GAGTGTGTTTTAGGCCTTGAAGATTCTGGCAGTGACACGAGTGACGAGGACACTGAAGAAGTGGCCAGA
 GCTGGTTGTGACAAAGACAATAGAACAGAGAAGACCTCTGAGGAGCAGGAACAGGCTGTGCCCTTGGC
 CAAGGGCAGAGGAAGCAGGTGCTCTGACCAGAGATGAGTATGAAGAGGACAGCTCTGATGAGGAGGACAT
 TCGGAACACCGTGGGCAATGTGCCCTGGCGTGGTATGACGATTTCCACATGTGGGCTATGACCTGGAC
 GGCAAACGTATCTATAAGCCCTGCGGACACGAGATGAGCTGGACCAGTTTCTGGACAAAATGGATGACC
 CAGATTTCTGGCGACTGTGCAAGACAAGATGACAGGGAGTGATCTTCGGCTGACTGATGAGCAGGTTGC
 CCTGGTACATCGCTTCAGAGAGGCCAGTTTGGAGATTACGGCTTTGACCCTATGAGCCAGCTGTGGAT
 TTCTTCAGTGGTGACATCATGATCCACCCCGTGACCAACCGCCAGCTGACAAACGTAGTTTCATCCCGT
 CCCTAGTTGAGAAGGAGAAGGTGTCTCGATTGGTGCATGCCATCAAGATGGGTTGGATCAAGCCTCGACG
 GCCCCCGACTCCACTCCTAGCTTCTATGACCTGTGGGCCAGGAGGATCCAAATGCTGTGTGGGGCGC
 CACAAGATGCACGTGCCTGCACCCAAGCTGGCCCTGCCGGCCATGCGGAGTCTTACAACCCACCTCCCG
 AGTACCTGCCACTGAGGAGGAGCGCTTGGCATGGATGCAGCAGGAGCCATTGAGAGGAAGCTTAACTT
 CTTACCACAGAAGTTCCCAGCCTGAGGACAGTGCCTGCTTATGGCCGCTTATCCAGGAGCGTTTTGAA
 CGCTGTCTTGTATCTGTGCCACGGCAGCGCAAGATGAGGGTGAATGTGGATCCCAGAACCTCA
 TCCCAAGCTCCCTCGGCCAAGAGACCTTCAGCCTTTCCCTGTGTGCCAGGCCCTTGTCTACAGGGGCCA
 CAGCGACCTTGTCCGTTGCCTCAGTGTCTCCCGAGGGGGCCAGTGGCTAGCTTCAGGTTACAGACGACGC
 ACATTGAGGCTTTGGGAGGTGGCCACTGCCCGCTGCATGAAGACGGTGCCTGTTGGAGGTGTGATACGGA
 GCATTGCTTGAACCCCAATCCCACCATATGCTTAGTAGCCGCTGCCATGGATGATGCCGTGGTGTCTGCT
 GAACCCAGCCCTGGGGACCGGCTGCTGGTGGGCAGCACAGACCAGCTGCTGGAAACCTTACTCCCCCT
 GAAGAGCCAACCTTGCAGCCTGCCACTGGCTGGAGGTCTCAGAGGAAGAAGCCAGAGGGGCTTCGAC
 TACGTATCTGCCACAGTAAACCAGTGACACAGGTGACCTGGCATGGGCGAGGGGACTACCTGGCTGTGGT
 GCTGTCCAGCCAAGGGCACACTCAAGTGTGATCCACCAGCTGAGCAGAAGGCGCAGCCAGAGCCATTCC
 CGCGCAGCCACGGACAGGTGCAGTGTGTGGCTTCCATCCCACGCGGCCCTTCTGCTGTGGCCTCCC
 AGCGCAGCATCCGATTTACCACCTGCTACGCCAGGAGCTTACGAAGAAGCTGATGCCTAACTGCAAGTG
 GGTGTCTAGCATGGCTGTGCATCCAGCAGGTGACAACATCATCTGTGGCAGCTATGACAGCAAACCTGGTG
 TGGTTTGACCTGGATCTTCCACCAAGCCATACAAAGTGTGAGGCACCACAAGAAGGCCTTGGGGCTG
 TGGCCTTCCACCCCGATACCCACTCTTTCATCCGGCTCAGACGACGGCAGCGTTATCGTTTGCCATGG
 CATGGTGTACAATGACCTGCTGCAGAACCATTGCTGGTGGCCGTCAAGGTGCTTAAAGGGACACAGCCTG
 ACCCGAGATCTGGGTGACTGGATGTGGCCTTCCACCCACACAGCCATGGGTCTTCTCCTCCGGGGCAG
 ATGGCACCATTCGACTCTTCAGCTAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_001024250

Insert Size: 2196 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_001024250.1</u> , <u>NP_001019421.1</u>
RefSeq Size:	2587 bp
RefSeq ORF:	2196 bp
Locus ID:	300050
UniProt ID:	<u>Q562C2</u>
Cytogenetics:	7q34
Gene Summary:	Component of the PeBoW complex, which is required for maturation of 28S and 5.8S ribosomal RNAs and formation of the 60S ribosome.[UniProtKB/Swiss-Prot Function]