

Product datasheet for **RN207914**

Mzb1 (NM_001024240) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Mzb1 (NM_001024240) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Mzb1
Synonyms:	Pacap; pERp1; RGD1310251
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>RN207914 representing NM_001024240 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGAGACTACCCCTGCCGCTGTTGCTACTGTTTCGGGTGCAGGGCTATCCTGGGGAGCTTCGGGGATAGGG
 TTTCCCTCTCAGCTACAGCTCCTACACTGGATGATGAAGAGAAGTACGCATCCCATATGCCGACTCACCT
 GCGCTGCGATGCCTGCCGGGCTGTGGCCTACCAGATGGGCCAACATCTGGCGAAAGCAGAGGCTAAATCT
 CACACTCCAGACTCCAGTGGATCGCAGGAGCTGAGTGAATCCACGTACACAGATGTGCTGGACCGGACCT
 GCTCTCAGAACTGGCAGTCTATGGAGTCCAAGAAGTGAACCAGATGAAGCGTCTCATGGGCCCGGGACT
 TAGCAAGGGGCCAGAGCCAGCATCAGCGTGATGATTACTGGGGTCCCTGGCCCAATAGGCTCTCCATG
 ACGTGTTCCTACTACCTGGGAGAGTTTGGAGAGGACCAGATCTATGAAGCCTACCGCCAAGGCCACGAGA
 CTCTGGAGGCGCTACTCTGTGGGGCACCCACGGGTCCTGCTCACAGGAGATCCCGGCTCAGAGAGAAGA
 GCTT**AG**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	Sgfl-MluI
ACCN:	NM_001024240
Insert Size:	567 bp


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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_001024240.1, NP_001019411.1</u>
RefSeq Size:	900 bp
RefSeq ORF:	567 bp
Locus ID:	291675
UniProt ID:	<u>Q561R0</u>
Cytogenetics:	18p11
Gene Summary:	Associates with immunoglobulin M (IgM) heavy and light chains and promotes IgM assembly and secretion. May exert its effect by acting as a molecular chaperone or as an oxidoreductase as it displays a low level of oxidoreductase activity (By similarity). Helps to diversify peripheral B-cell functions by regulating Ca(2+) stores, antibody secretion, and integrin activation.[UniProtKB/Swiss-Prot Function]