

Product datasheet for **RN206130**

Myzap (NM_001014211) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Myzap (NM_001014211) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Myzap
Synonyms:	Gcom1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN206130 representing NM_001014211
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCTGCGCTCCACGTCCACTGTACCCTGCTCTCAGGCGCAGTGCCAAGTCGCTGGGACGCCAGTA
 GAAGGGCAAATGTCTGCAGACTGAGGCTGACCGTGCCTCCTGAGAATCCAGTGCCACAGCAAAAAGAAAA
 GAAGATTGAGAGGAAAGACCAGCCTCCAGAACTAAGCAATGGAGAATCTACCAAGAAGCTCCCTCAAGGT
 GTTGTCTATGGTGTGGTGCAGATCAGATCCCAATCAGCAGAAGGAAATGGTGGTGTATGGCTGGTCCA
 CCAATCAGCTGAAAGAAGAGATGAATTACATCAAGGATGTGAGGGCTACATTGGAGAAAGTGAGGAAGCG
 TATGTACGGAGATTATGATGAGATGAGACAGAAGATCCGACAGCTCACCAAGACCTGTCGGTCTCCCAT
 GCTCAGCAGGACTATCTAGACAGTCACATCCAAGCCCAGGCATCGGCTCTGGATAGCTTCAATGCCATGA
 ACTCGGCATTGGCATTGGACTCTGTTGGCTTACAGAAAACCTTGTGGATGTGACTTTGGAAAACAGCAA
 CATCAAGGATCAAATCAGACATTTGCAGCAAACCTATGAAGCGTCCATGGACAAGCTGCGAGAGAAGCAG
 AGGCAGCTGGAGGCTGCTCAAATGGAAAACCAGCTGCTGAAGATGAGGGTGGAGTCTCCCAAGAAGCCA
 ATGCTGAGGTGATGCGGGAGATGACGAGAAAGCTGTACAGTCAGTATGAAGAGAAGCTGCAGGAAGCACA
 GCGCAAGCACAGCGCGGAGAAGGAGTCTCTGGAAGAAACCAATAGCTTCTTGAAGGCGATCGAAGAG
 GCCAATAAAAAGATGGAGGCAGCCGAGCTGAGCCTGGAGGAGAAAAGACCAGAGGATCGGGGAGCTGGACA
 GGCTGATCGAACGCATGGAGAAGGAACGGCATCAACTCCAGCTCCAGCTCCTTGAGCATGAGACAGAAAT
 GTCGGGGGAGATGGCAGATTTTGACAAGAACAGGTACCAGCAGTTGGAGGAGGCATCAGCCAGCCTTCGA
 GAGAGGATCAGACACCTGGATGACATGGTTCATTGCCAGCAGAAGAAAGTCAAGCAGATGGTTGAGGAGA
 TTGAATCGTTAAAGAAAAAGTGAACAGAAGCAGCTCCTGATACTGCAGCTTTTAGAAAAATCTCTTT
 CCTGGAAGGAGAGAATAACGAACACTACAAAGCAGGTTGGACTATTTGACAGAAACCCAGCCCAAGACTGAA
 GTGGAACGAGAGAAAATTGGAGTGGGCTGTGATCTTCTACCCAGCACAACAGGCAGGACTCGTGAATCG
 CAGTGCCTCCAGGAGTTACACCCGTACACAAGAGTCTGGAGTTAACCTCAAAGAAGACGCTGACTTA
 G

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_001014211

Insert Size: 1401 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:

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_001014211.1](#), [NP_001014233.1](#)

RefSeq Size: 2220 bp

RefSeq ORF: 1401 bp

Locus ID: 363091

UniProt ID: [Q5EB94](#)

Cytogenetics: 8q24

Gene Summary: Plays a role in cellular signaling via Rho-related GTP-binding proteins and activation of transcription factor SRF. Targets TJP1 to cell junctions (By similarity). In cortical neurons, may play a role in glutaminergic signal transduction through interaction with the NMDA receptor subunit GRIN1.[UniProtKB/Swiss-Prot Function]