

Product datasheet for **MC216352**

Myzap (NM_001033208) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Myzap (NM_001033208) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Myzap
Synonyms:	AA407270; AV006038; Gcom1; Gm640; Grinl1a7; Myozap
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC216352 representing NM_001033208
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGCTGCGCTCCACGTCCACTGTACCCTGTTCTCAGGTGGCGGCCAAGTCGCTGGAACGCCAGTA
GAAGGGCAAATGTCTGCAGACTGCGGCTGACTGTGCCCCCTGAGAATCCAGTGCCACAGCAAACAGAAAA
GAAGATCGAAAGGAAAGATCAGCCTCCAGAACTAAGCAATGGAGAATCTACCAAGAGGCTCCCTCAGGGT
GTTGTCTATGGTGTGGTGCAGATCCCAACCAGCAGAAGGAAATGGTCGTGATGGCTGGTCCA
CCAATCAGCTGAAAGAAGAGATGAATTACATCAAAGACGTGAGGGCCACACTGGAGAAAGTGAGGAAGCG
GATGTATGGAGACTATGATGAGATGAGACAGAAGATCCGACAGCTACCCAGGACCTGTCGGTGTCCCAT
GCTCAGCAGGACTATCTAGACAGTCACATCCAAGCCCAGGCATCGGCCCTGGATAGCTTCAATGCCATGA
ATGCGGCATTGGCATCAGACTCTGTTGGCTTACAGAAAACCTTGTGGACGTGACTTTGGAAAATAGCCA
TATCAAGGATCAAATCCGACATCTGCAACAGACCTATGAAGCATCCATGGACAAGCTGCGGGAGAAGCAG
AGGCAGTTAGAGGCTGCTCAGATGGAAAACCAGCTCCTAAAGATGAGGGTGGAGTATCGCAAGAAGCCA
ATGCTGAGGTGATGCGGGAGATGACGAGAAAGCTGTACAGCCAGTATGAGGAGAAACTGCAGGAGGCACA
GCGCAAGCACAGTGCGGAGAAGGAGGTGCTCCTGGAAGAAACCAATAGCTTTCTGAAGGCCATCGAAGAG
GCCAATAAGAAGATGGAGGCAGCTGAGCTCAGCCTGGAGGAGAAAGACCAGAAGATCGGGGAACTGGACA
GGCTGATTGAACGCATGGAGAAGGAACGGCATCAGCTCCAGCTCCAGCTCCTTGAGCATGAGACAGAAAT
GTCAGGGGAGATGGCAGATTCTGACAAGAACAGGTACCAGCAGCTGGAGGAGGCGTCGGCCAGCCTCCGG
GAGCGGATCAGACACCTGGATGACATGGTGCCTGCCAGCAGAAGAAAGTCAAGCAGATGGTTGAGGAGA
TTGAGTCATTAAGAAAAAAGTGAACAGAAAGCAGCTCCTGATACTGCAGCTTTTAGAAAAATCTCTTT
CCTGGAAGGAGAGAATAATGAACTACAAAGCAGGTTGGACTATTTGACAGAAACCCAGCCCAAGACTGAA
GTGAAAACAAGAGAAATTGGAGTGGGGTGTGATCTTCTCCAGCCCAACAGGCAGGACTCGTGAATCA
CAATGCCTTCCAGGAGTTACACCCCGTACACGAGAGTCTGGAGTTATCCTCAAAGAAAACGCTGACTTA
G

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_001033208

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_001033208.4](#), [NP_001028380.1](#)

RefSeq Size: 2283 bp

RefSeq ORF: 1401 bp

Locus ID: 102371

UniProt ID: [Q3UIJ9](#)

Cytogenetics: 9 D

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 (By similarity).[UniProtKB/Swiss-Prot Function]