

## Product datasheet for **RN203090**

### **Mpzl1 (NM\_001007728) Rat Untagged Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Mpzl1 (NM\_001007728) Rat Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Mpzl1  
**Synonyms:** MGC93692  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >RN203090 representing NM\_001007728  
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGGCAGAGGCCGTCGGAGCCGTGACATTGATTGCGGCCCGGCCCGCCGGCGTGGCTGTGGTCGGCGC  
TAGCCCGCATGCTCGGGCTGTTGACAGCTAGAATATCAGCCTTGGAGGTACATACTCCTAAAGAAATCTT  
TGTGGTGAATGGGACACAAGGGAAGCTCACGTGCACGTTTACTCTCCTAATACTACTGGGTGGTTGACC  
ACCGTCTCCTGGAGCTTCCAGCCAGAAGGCACCGACAGCGCCGTGTCGTTTTTCCACTACTCACAAGGAC  
AAGTGTACATCGGGGATTATCCACCGTTTAAAGACCGAGTCACCTGGGCTGGGGACCTTGACAAGAAAGA  
TGCATCGATCAATATAGAAAACATTCAGGCTGTTCAATGGCACCTATATCTGCGATGTCAAAAACCTT  
CCTGACATTGTTGTGCGGCTGGGCAGATTAGGCTCCAATGGTGGAAATAGACAACCTGCTGGTGTTC  
TGGTTTGGGTGGTGGGCACTGTCACTGCTGTGGTCCCTGGGCTCACTCTACTCATCAGCTTGGTCCCT  
GGTCGCTCTACAGACGGAAGCATTGCAAGCGGGATTATACCGCTGCAGTACCTCAGAGCGTTTGTCA  
CCAGTTAAGCAGGCTCCACGGAAGTGTCCCTCCGACACAGAGGGTCTAGTAAAGAGTCCGCTTCCGCCG  
GATCTCACCGGGCCAGTCATATACGCACAGTTAGACCACTTGCGGGACATCACAGTGGCAAGATTAA  
TAAGTCAGAGTCTGTTGTATGCGGACATCCGAAAGACT**TAA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_001007728  
**Insert Size:** 813 bp



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<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u><a href="#">NM_001007728.1</a></u> , <u><a href="#">NP_001007729.1</a></u>
<b>RefSeq Size:</b>	2291 bp
<b>RefSeq ORF:</b>	813 bp
<b>Locus ID:</b>	360871
<b>UniProt ID:</b>	<u><a href="#">Q6AYT8</a></u>
<b>Cytogenetics:</b>	13q23
<b>Gene Summary:</b>	Cell surface receptor, which is involved in signal transduction processes. Recruits PTPN11/SHP-2 to the cell membrane and is a putative substrate of PTPN11/SHP-2. Is a major receptor for concanavalin-A (ConA) and is involved in cellular signaling induced by ConA, which probably includes Src family tyrosine-protein kinases. May be involved in regulation of integrin-mediated cell motility (By similarity).[UniProtKB/Swiss-Prot Function]