

Product datasheet for **MC204090**

Zpr1 (NM_011752) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Zpr1 (NM_011752) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Zpr1
Synonyms:	AI303781; Zfp259; Znf259
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC021397
 CCACGCGTCCGGGGAAATGTCTGCCAGCGGGGCTGTGCAGCCGGGACACCCGGGGCCGCCGTCCGGCCC
 TCGCCCGCTGCGGCTGCGTCACCAGCCACCGGGCCTTTGTTCCGGCCCTCAGCGCCGAGGATGAGGAGC
 AACAGCCCACCGAGATCGAGTCACTGTGCATGAACTGTTACCGGAACGGCAGCAGCGACTTCTGCTCAC
 CAAGATCCCCTTTTATAGAGAAATCATCGTGAGCTCCTTTTCTCGCAACACTGTGGCTGGAACAACACG
 GAGATCCAGTCTGCAGGCAGGATCCAGGACCAGGGAGTGCCTACACCTTGACCGTGAGAAGCCAAGAGG
 ACATGAACAGAGAAGTGGTAAAGACAGACTCTGCCACCACAAGGATCCCCGAGCTGGATTTTGGATTCC
 AGCCTTCAGCCAGAAGGGAGCTCTGACCCTGTTGAAGGACTCATCAGCCGCGCATCTCTGGCCTGGAA
 CAGGATCAGCCACACGACGGGAGTGGAAAGTGCATCGCAGAAAGAATTGATGAGTTCATTGGCAAAC
 TGAAGGACCTAAAGCAAATGGCTTCCCCTTTCACACTGGTCATTGATGATCCCTCGGAAACAGCTTTGT
 AGAAAACCCACATGCTCCCCAGAAAGATAATGCCTTGGTGATCACATACTATGACCGAACCCACAGCAA
 GCTGAGATGCTGGGGCTCCAAGCAGAAGCACCAGAGGAGAAGGCGGAAGAGGAAGACCTTAGAAACGAAG
 TGCTCCAGTTCAACACTAACTGCCAGAGTGCAACGCTCCAGCTCAGACCAACATGAAGCTTGCCAAAT
 CCCCCACTTAAAGAGGTTATCATCATGGCCACCAACTGTGAGAATTGTGGGCATCGGACTAATGAGGTG
 AAGTCCGGAGGAGCTGTAGAACCTTTGGGTACCAGGATCACCTCCACATCACAGATCCTTCAGACATGA
 CCAGAGACCTCCTCAAGTCTGAGACCTGTAGTGTGGAAATCCCAGAGCTTGAGTTTGAACCTGGGAATGGC
 TGTAATTGGGGCAAGTTCACCACTCTAGAAGGACTGCTGAAAGACATCCGAGAAGTGGTAAACCAAGAAC
 CCATTCACACTGGGCGACAGCTCTAATCCTGACCAGTCAGAGAACTGCAGGAGTTTAGCCAGAAGTTGG
 GCCAGATCATCGAGGGCAAGATGAAGGCCCACTTTATCATGAATGATCCAGCAGGAAACAGTTACCTGCA
 GAATGTGTATGCACCTGAAGACGATCCAGAGATGAAGGTGAGCGGTACAAACGCACCTTTGACCAAAAT
 GAGGAGCTCGGGCTCAATGACATGAAGACAGAGGGTTATGAGGCGGGCCTGGCCCCACAGCGGTAGCAGT
 GGCCAGCTCACTGGCCAGCTACAGTGCCACTCACACTGCAGGGTTATCTGTTACTGTTGGAACTGACGA
 GGAGTGTCAAGCCCTCGTCCATGGTGAAGAGGTTACCCTTGAGTTAGAAATGTAAGCACCCAAGATTA
 GCAGTGCAGGACGAGGAGCTGCAGCCCTACTGTGCTCCTTGACCTTCTTTTGGAGGTTTTAAAGTCGG
 CGTGAGAAGAATCCCAGAAACACAGGCGGTCTGCCATACCGTTTGCCTGTCAGCTCTCTGACCTCCAG
 TGCTGGACCTTTGAAGTCTGGGGAAGTGAATACAAGTTTCTGCTGGCTCTGGGCATGTGAAGTACTGAC
 TCAGCAGGGAAGGATGTCGGAGGGGCCGAGCAGGCACAGGTGAAGACGCCACATTAAGTATGAGCCTTT
 AAACGAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: RsrII-NotI

ACCN: NM_011752

Insert Size: 1380 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: [BC021397](#), [AAH21397](#)

RefSeq Size: 1857 bp

RefSeq ORF: 1380 bp

Locus ID: 22687

UniProt ID: [Q62384](#)

Cytogenetics: 9 A5.2

Gene Summary: Acts as a signaling molecule that communicates proliferative growth signals from the cytoplasm to the nucleus. Plays a role for the localization and accumulation of the survival motor neuron protein SMN1 in sub-nuclear bodies, including gems and Cajal bodies. Induces neuron differentiation and stimulates axonal growth and formation of growth cone in spinal cord motor neurons. Plays a role in the splicing of cellular pre-mRNAs. May be involved in H(2)O(2)-induced neuronal cell death.[UniProtKB/Swiss-Prot Function]