

Product datasheet for **MR207326**

Zpr1 (NM_011752) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Zpr1 (NM_011752) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Zpr1
Synonyms:	AI303781; Zfp259; Znf259
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR207326 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTCTGCCAGCGGGGCTGTGCAGCCGGACACCCGGGGCCCGCTCGGGCCCTCGCCGCTGCGGCTG
 CGTCACCAGCCACCGGGCTTTGTTCCGGCCCCTCAGCGCCGAGGATGAGGAGCAACAGCCACCGAGAT
 CGAGTCACTGTGCATGAACTGTTACCGAACGGCACGACGCGACTTCTGCTCACCAGATCCCCTCTTT
 AGAGAAATCATCGTGAGCTCCTTTCTGCGAACACTGTGGTGGAAACAACAGGAGATCCAGTCTGCAG
 GCAGGATCCAGGACCAGGGAGTGCCTACACCTTGACCGTGAGAAGCCAAGAGGACATGAACAGAGAAGT
 GGTAAAGACAGACTCTGCCACCACAAGGATCCCCGAGCTGGATTTTGGATTCCAGCCTTCAGCCAGAAG
 GGAGCTCTGACCACTGTTGAAGGACTCATCAGCCGCGCATCTCTGGCCTGGAACAGGATCAGCCACAC
 GACGGCAGTGAAGGTGCCATCGCAGAAAGAATTGATGAGTTTATTGGCAAACCTGAAGGACCTAAAGCA
 AATGGCTTCCCCTTTCACACTGGTCATTGATGATCCCTCGGAAACAGCTTTGTAGAAAACCCACATGCT
 CCCAGAAAGATAATGCCTTGGTATCACATACTATGACCGAACCCACAGCAAGCTGAGATGCTGGGGC
 TCCAAGCAGAAGCACCAGAGGAGAAGGCGGAAGAGGAAAGACCTTAGAAAACGAAGTCTCCAGTTCACAC
 TAACTGCCAGAGTGCAACGCTCCAGCTCAGACCAACATGAAGCTTGCCAAATCCCCACTTTAAAGAG
 GTTATCATCATGGCCACCAACTGTGAGAATTGTGGGCATCGGACTAATGAGGTGAAGTCCGGAGGAGCTG
 TAGAACCTTTGGGTACCAGGATCACCTCCACATCACAGATCCTTCAGACATGACCAGAGACCTCCTCAA
 GTCTGAGACCTGTAGTGTGAAAATCCCAGAGCTGAGTTTGAAGTGGGAATGGCTGTACTTGGGGCAAG
 TTCACCACTCTAGAAGGACTGCTGAAAGACATCCGAGAAGTGGTAACCAAGAACCATTACACTGGGGC
 ACAGCTAATCCTGACCAGTCAGAGAACTGCAGGAGTTTAGCCAGAAGTTGGGCCAGATCATCGGGG
 CAAGATGAAGGCCCACTTTATCATGAATGATCCAGCAGGAAACAGTTACCTGCAGAATGTGTATGCACCT
 GAAGACGATCCAGAGATGAAGGTCGAGCGGTACAACGCACCTTTGACCAAAATGAGGAGCTCGGGCTCA
 ATGACATGAAGACAGAGGTTATGAGGCGGGCCTGGCCCCACAGCGG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR207326 protein sequence
 Red=Cloning site Green=Tags(s)

MSASGAVQPGHPGAAVGPSPAAAASPATGPLFRPLSAEDEEQPTEIESLCMNCYRNGTTRLLLTKIPFF
 REIIVSSFSCHECGWNTEIQSAGRIQDQGVRYTLTVRSQEDMNREVVKTDSATTRIPLEDFEIPAFSQK
 GALLTVEGLISRAISGLEQDQPTRRAVEGAI AERIDEF IGKLDKDLQMASPFTLVIDDPSGNSFVENPHA
 PQKDNALVITYYDRTPQQAEMGLQAEAPEEKAEEDLRNEVLQFNTNCPENAPAQTNMKLVQIPHFKE
 VIIMATNCENCGHRTNEVKS GGAVEPLGTRITLHITDPSDMTRDLLKSETCSVEIPELEFELGMAVLGGK
 FTTLEGLLDKIRELVTKNPFTLGDSSNPQSEKLQEF SQKLGQIIIEGKMKAHFIMNDPAGNSYLQNVYAP
 EDDPEMKVERYKRTFDQNEELGLNDMKT EGYEAGLAPQR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



* The last codon before the Stop codon of the ORF

ACCN: NM_011752

ORF Size: 1380 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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_011752.1](#), [NM_011752.2](#), [NP_035882.1](#)
RefSeq Size: 2984 bp

RefSeq ORF: 1380 bp

Locus ID: 22687

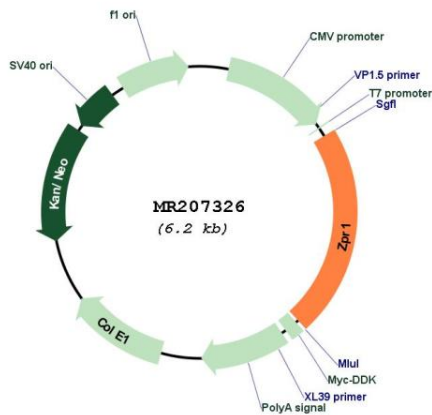
UniProt ID: [Q62384](#)

Cytogenetics: 9 A5.2

MW: 50.7 kDa

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]

Product images:



Circular map for MR207326