

## Product datasheet for **MG207326**

### Zpr1 (NM\_011752) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Zpr1 (NM_011752) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Zpr1
Synonyms:	AI303781; Zfp259; Znf259
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

>MG207326 representing NM\_011752  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGTCTGCCAGCGGGGCTGTGCAGCCGGGACACCCGGGGCCCGCGTCGGGCCCTCGCCCGTCCGGCTG  
 CGTCAACCAGCCACCGGGCTTTGTTCCGGCCCTCAGCGCCGAGGATGAGGAGCAACAGCCACCGAGAT  
 CGAGTCACTGTGCATGAACTGTTACCGAACGGCACGACGCGACTTCTGCTCACCAAGATCCCCTCTTT  
 AGAGAAATCATCGTGAGCTCCTTTCTGCGAACACTGTGGCTGGAACAACACGGAGATCCAGTCTGCAG  
 GCAGGATCCAGGACCAGGGAGTGCCTACACCTTGACCGTGAGAAGCCAAGAGGACATGAACAGAGAAGT  
 GGTAAAGACAGACTCTGCCACCACAAGGATCCCCGAGCTGGATTTTGGATTCCAGCCTTCAGCCAGAAG  
 GGAGCTCTGACCACTGTTGAAGGACTCATCAGCCGCGGATCTCTGGCCTGGAACAGGATCAGCCCACAC  
 GACGGGCAGTGAAGGTGCCATCGCAGAAAGAATTGATGAGTTTCATTGGCAAACCTGAAGGACCTAAAGCA  
 AATGGCTTCCCCTTTCACACTGGTCATTGATGATCCCTCGGAAACAGCTTTGTAGAAAACCCACATGCT  
 CCCAGAAAGATAATGCCTTGGTGATCACATACTATGACCGAACCCACAGCAAGCTGAGATGCTGGGGC  
 TCCAAGCAGAAGCACCAGAGGAGAAGGCCGAAGAGGAAGACCTTAGAAAACGAAGTCTCCAGTTCAACAC  
 TAACTGCCAGAGTGCAACGCTCCAGCTCAGACCAACATGAAGCTTGCCAAATCCCCACTTTAAAGAG  
 GTTATCATCATGGCCACCAACTGTGAGAATTGTGGGCATCGGACTAATGAGGTGAAGTCCGGAGGAGCTG  
 TAGAACCTTTGGGTACCAGGATCACCTCCACATCACAGATCCTTCAGACATGACCAGAGACCTCCTCAA  
 GTCTGAGACCTGTAGTGTGAAAATCCAGAGCTTGAGTTTGAAGTGGGAATGGCTGTACTTGGGGCAAG  
 TTCACCACTCTAGAAGGACTGCTGAAAGACATCCGAGAAGTTAGCCAGAAGTTGGCCAGATCATCGAGGG  
 ACAGCTTAATCCTGACCAGTCAGAGAACTGCAGGAGTTTAGCCAGAAGTTGGCCAGATCATCGAGGG  
 CAAGATGAAGGCCCACTTTATCATGAATGATCCAGCAGGAAACAGTTACCTGCAGAATGTGTATGCACCT  
 GAAGACGATCCAGAGATGAAGGTCGAGCGGTACAAACGCACCTTTGACCAAAATGAGGAGCTCGGGCTCA  
 ATGACATGAAGACAGAGGTTATGAGGCGGGCCTGGCCCCACAGCGG

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:**

>MG207326 representing NM\_011752  
 Red=Cloning site Green=Tags(s)

MSASGAVQPGHPGAAVGPSPAAAASPATGPLFRPLSAEDEEQPTEIESLCMNCYRNGTTRLLLTKIPFF  
 REIIVSSFSCHEHCGWNTEIQSAGRIQDQGVRYTLTVRSQEDMNREVVKTDSATTRIPLEDFEIPAFSQK  
 GALLTVEGLISRISGLEQDQPTRRAVEGAI AERIDEFIGKLDLQMASPFTLVIDDPSGNSFVENPHA  
 POKDNALVITYYDRTPQQAEMGLQAEAPEEKAEEDLRNEVLQFNTNCPENAPAQTNMKLVQIPHFKE  
 VIIMATNCENCGHRTNEVKS GGAVEPLGTRITLHITDPSDMTRDLLKSETCSVEIPELEFELGMAVLGGK  
 FTTLEGLLKDIRELVTKNPFTLGDSSNPQSEKLQEF SQKLGQIIIEGKMKAHFIMNDPAGNSYLQNVYAP  
 EDDPEMKVERYKRTFDQNEELGLNDMKTEGYEAGLAPQR

**TRTRPLE** - GFP Tag - V

**Restriction Sites:**

SgfI-MluI



<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_011752.2</a></u> , <u><a href="#">NP_035882.1</a></u>
<b>RefSeq Size:</b>	2984 bp
<b>RefSeq ORF:</b>	1380 bp
<b>Locus ID:</b>	22687
<b>UniProt ID:</b>	<u><a href="#">Q62384</a></u>
<b>Cytogenetics:</b>	9 A5.2
<b>Gene Summary:</b>	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]