

Product datasheet for **MG207102**

Sp110 (BC094500) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Sp110 (BC094500) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Sp110
Synonyms:	lpr1, lfi75, 5031415C07Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>MG207102 representing BC094500
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGTTCACTCTGACCAAAGCCTTGAAAAGGCTCTTCTCCAGCATTTTCATATACATGAAGGTGAACATCG
 CCTATGCCATCAACAAGCCATTCCCTTCTTTCGAAGCGCTCCGGGACAATTCCTTCATCACTGAGAGAAT
 GTACAAGGAATCTCTGGAAGCCTGTCAAATCTGGTCCCTCTGTCCAAAGTGGTGCACAATATTCTCACC
 AGTCTGGAGCAGACTTTCCACCCGTCACTGCTGCTGACGTTGTTTCAGCAAGGTCAACCTCCGGGAATACC
 CCAGCCTGGTGGCAATTTTCAGAAGCTTCAGAAACGTTGGTTATACCTACGAAGAGAAAAACAGACCCCC
 ACTGACCTGCTGAAGACCTGGCCAACCCAGCAGAAGGGTGCTCCCTTCAGACACTGCTGCCACCACCC
 CGACCCAGATATCGCTGCCAAGTCATCTGTCTCAGCACCGAGAGTCTGTGACCCAGAGCAACCCGCAC
 AGCCAATCATTGAGATCCTGGATGAGCAGCCCAGTCTTCTCCCCGAGCTGTGCCTCTCCTTGGCTGCAT
 TCAGGAAGGAAAAACCACTCCAGTGTCTCCAGAGATCACCAGAGAAAAGATAAGGAAGACTCTCGAGAG
 ATGCCCCACAGTCCCTCAGGACCCGAGTCAAGTGTAAAAGATGACTCTCCAGCAGCAAAATGACCTGGAAA
 TGGCCAGGGAAGTACCCTGCACACCTGCAACAAGAAAAGCAAGAAGAAAAAACGTCGAACTGGTCAAA
 TTCCAAAAGAAGACGGCAGAAAAAAGCCCGTCAAGATGAGATGATGGGAGTGGCCTCACCTGGACAT
 GGAGTTCAAGAGAAGCTCAAGGCAGTGAGCAGGAGGACTTTGTGGAAAGATGACTCATCTACGAACGTGA
 AGGAGGTGACCAAGACACAGAGAACAAGGATGAGGCGTGCCAGACATCCAATTCACAAGAGATCAGCAA
 AGAGGCATCAAAAACAAGTGGTAGAAAGAGGCCAGCACAGCAGCAAGAACCAACAAGTCCAGAGAAG
 ACCAAGAATGACGCTGTGGATTTCTCTCCACACTCCCTGTGACCTGTGGTAAGGCCAAAGGACTTTGT
 TCCAAGAGAAACTGAAGCAAGGAGCCTCAAAAAAGTGCATTGAGAATGAGGCAGGAGATTGGCTCACTGT
 AAAGGAATTTTTAAATGAAGGGGGAAGGCCACATCAAAAGACTGGAAGGGCGTTATACGTTGTAACGGG
 GAGACATTAAGACATCTGGAGCAGAAAGGACTTTTGTCTTTACCTCAAGAGTAAACCTCAAAAGAAGG
 GTGCC

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>MG207102 representing BC094500
 Red=Cloning site Green=Tags(s)

MFTLTKALEKALLQHFIYMKVNIAYAINKPPFFFEALRDNSFITERMYKESLEACQNLVPLSKVVHNIILT
 SLEQTFHPSVLLTLFSKVNLRYPVSLVAIFRSFRNVGYTYEENRPPPLTLEDLANPAEGCSLQTLPPP
 RPQISLPSHLSSAPRVCDPRATAQPIIEILDEQSPSPRAVPLLGCIQEGKTPVSSRDHQRKDKEDSRE
 MPHSPSPGESVVKDDSPAANDLEMAREVPCTPANKKARRKKRPNWSNSKRRRQKKKPRQDEMGMVASPGH
 GVQEKLKAVSRRTLWKDDSSSTNVKEVTKQTRMRRAQTSNSQEISKEASKTSGRKRPTARRTTQVPEK
 TKNDAVDFSPVTCGKAKGTLFQEKLKQGASKKCIQNEAGDWLTVKEFLNEGGRATSKDWKGVIRCNG
 ETLRHLEQKGLLFFTSKSKPQKKA

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: BC094500

ORF Size: 1337 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: [BC094500](#), [AAH94500](#)

RefSeq Size: 1865 bp

RefSeq ORF: 1337 bp

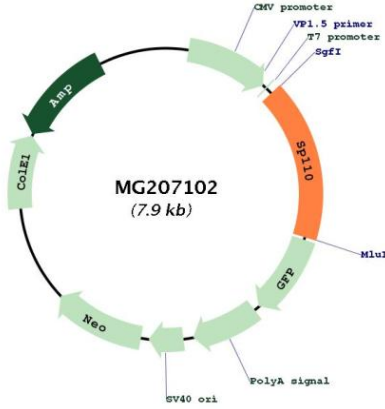
Locus ID: 109032

Cytogenetics: 1 C5

Gene Summary:

May act as a transcription factor. Plays a role in the innate immunity against intracellular pathogens. Required for resistance to M.tuberculosis and L.monocytogenes. Promotes apoptosis of infected cells.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG207102