

Product datasheet for **MC216031**

Sp110 (NM_175397) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Sp110 (NM_175397) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Sp110
Synonyms:	52kDa; 5031415C07Rik; 5830484A20Rik; ENSMUSG00000075603; lfi75; lpr1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC216031 representing NM_175397
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTTCACTCTGACCAAAGCCTTGAAAAGGCTCTTCTCCAGCATTTTCATATACATGAAGGTGAACATCG
 CCTATGCCATCAACAAGCCATTCCCTTCTCGAAGCGCTCCGGGACAATTCCTTCATCACTGAGAGAAT
 GTACAAGGAATCTCTGGAAGCCTGTCAAATCTGGTCCCTCTGTCCAAAGTGGTGCACAATATTCTCACC
 AGTCTGGAGCAGACTTTCCACCCGTGAGTCTGCTGACGTTGTTTCAGCAAGGTCAACCTCCGGGAATACC
 CCAGCCTGGTGGCAATTTTCAGAAGCTTCAGAAACGTTGGTTATACCTACGAAGAGAAAAACAGACCCCC
 ACTGACCTGCTGAAGACCTGGCAACCCAGCAGAAGGGTGCTCCCTTCAGACACTGCTGCCACCACCC
 CGACCCAGATATCGCTGCCAAGTCATCTGTCTCAGCACCGAGAGTCTGTGACCCAGAGCAACCCGAC
 AGCCAATCATTGAGATCCTGGATGAGCAGCCCAGTCTTCTCCCGAGCTGTGCCCTCCTTGGCTGCAT
 TCAGGAAGGAAAAACCACTCCAGTGTCTCCAGAGATCACCAGAGAAAAGATAAGGAAGACTCTCGAGAG
 ATGCCCCACAGTCCCTCAGGACCCGAGTCAAGTAAAAGATGACTCTCCAGCAGCAAATGACCTGGAAA
 TGGCCAGGGAAGTACCCTGCACACCTGCAACAAGAAAAGCAAGAAGAAAAAACGTCCGAACTGGTCAAA
 TTCCAAAAGAAGACGGCAGAAAAAAGCCCGTCAAGATGAGATGATGGGAGTGGCCTCACCTGGACAT
 GGAGTTCAAGAGAAGCTCAAGGCAGTGAGCAGGAGGACTTTGTGGAAAGATGACTCATCTACGAACGTGA
 AGGAGGTGACCAAGACACAGAGAACAAGGATGAGGCGTGCCAGACATCCAATTCACAAGAGATCAGCAA
 AGAGGCATCAAAAACAAGTGGTAGAAAGAGGCCACAGCACAGCAAGAACCACACAAGTCCAGAGAAG
 ACCAAGAATGACGCTGTGGATTTCTCTCCACACTCCCTGTGACCTGTGGTAAGGCCAAAGGGACTTTGT
 TCCAAGAGAAAACGAAGCAAGGAGCCTCAAAAAGTGCATTGAGAATGAGGCAGGAGATGGCTCACTGT
 AAAGGAATTTTTAAATGAAGGGGAAGGCCACATCAAAAAGACTGGAAGGGCGTTATACGTTGTAACGGG
 GAGACATTAAGACATCTGGAGCAGAAAGGACTTTTGTCTTTACCTCCAAGAGTAAACCTCAAAAAGAGG
 GTGCC**TAG**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_175397

Insert Size: 1338 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: [NM_175397.4](#), [NP_780606.3](#)

RefSeq Size: 1947 bp

RefSeq ORF: 1338 bp

Locus ID: 109032

UniProt ID: [Q8BVK9](#)

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]
Transcript Variant: This variant (1) represents the longer transcript. Variants 1 and 2 encode the same protein.