

Product datasheet for **MC227733**

Sp110 (NM_030194) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Sp110 (NM_030194) 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: >MC227733 representing NM_030194
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGTTCACTCTGACCAAAGCCTTGAAAAGGCTCTTCTCCAGCATTTTCATATACATGAAGGTGAACATCG
CCTATGCCATCAACAAGCCATTCCCTTCTCGAAGCGCTCCGGGACAATTCCTTCATCACTGAGAGAAT
GTACAAGGAATCTCTGGAAGCCTGTCAAATCTGGTCCCTCTGTCCAAAGTGGTGCACAATATTCTCACC
AGTCTGGAGCAGACTTTCCACCCGTGAGTCTGCTGACGTTGTTTCAGCAAGGTCAACCTCCGGGAATACC
CCAGCCTGGTGGCAATTTTCAGAAGCTTCAGAAACGTTGGTTATACCTACGAAGAGAAAAACAGACCCCC
ACTGACCTGCTGAAGACCTGGCCAACCCAGCAGAAAGGGTGTCCCTTCAGACACTGCTGCCACCACC
CGACCCAGATATCGCTGCCAAGTCATCTGTCTCAGCACCGAGAGTCTGTGACCCAGAGCAACCCGAC
AGCCAATCATTGAGATCCTGGATGAGCAGCCCAGTCTTCTCCCGAGCTGTGCCCTCCTTGGCTGCAT
TCAGGAAGGAAAAACCACTCCAGTGTCTCCAGAGATCACCAGAGAAAAGATAAGGAAGACTCTCGAGAG
ATGCCCCACAGTCCCTCAGGACCCGAGTCAAGTAAAAGATGACTCTCCAGCAGCAATGACCTGGAAA
TGGCCAGGGAAGTACCCTGCACACCTGCAACAAGAAAAGCAAGAAGAAAAAACGTCCGAACTGGTCAAA
TTCCAAAAGAAGACGGCAGAAAAAAGCCCCGTCAAGATGAGATGATGGGAGTGGCCTCACCTGGACAT
GGAGTTCAAGAGAAGCTCAAGGCAGTGAGCAGGAGGACTTTGTGGAAAGATGACTCATCTACGAACGTGA
AGGAGGTGACCAAGACACAGAGAACAAGGATGAGGCGTGCCAGACATCCAATTCACAAGAGATCAGCAA
AGAGGCATCAAAAACAAGTGGTAGAAAGAGGCCACAGCACAGCAAGAACACACAAGTCCAGAGAAG
ACCAAGAATGACGCTGTGGATTTCTCTCCACACTCCCTGTGACCTGTGGTAAGGCCAAAGGGACTTTGT
TCCAAGAGAAAAGTGAAGCAAGGAGCCTCAAAAAAGTGCATTGAGATGAGGCAGGAGATTGGCTACTGT
AAAGGAATTTTTAAATGAAGGGGAAGGCCACATCAAAAGACTGGAAGGGCGTTATACGTTGTAACGGG
GAGACATTAAGACATCTGGAGCAGAAAGGACTTTTGTCTTTACCTCCAAGAGTAAACCTCAAAAGAAGG
GTGCC TAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_030194

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).

OTI Annotation: Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.

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_030194.1](#), [NP_084470.1](#)

RefSeq Size: 1921 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 (2) differs in the 5' UTR, compared to variant 1. Variants 1 and 2 encode the same protein.