

Product datasheet for **RN208749**

Sp110 (NM_001034137) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Sp110 (NM_001034137) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Sp110
Synonyms:	MGC124651
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN208749 representing NM_001034137
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTTCCACCTGACCAAGCCTTGAAAAGGCTCTTCTTCAGCATTTCATATACACGAAGCTGGACATCG
 CCTATGCCATCAACAAGCCGTTCCCTTTTGAAGCACTCCGAGACAATTCCTTCATCACTGAGCGAAT
 GTACAAGGAATCTCTGGAAGCCTGTCAAATCTGGTCCCTCTATCCAAAGTGGTGACAATATTCTCACC
 AGTCTGGAGCAGACTTTCGACCCATCGATGCTGCTGATATTGTTTCAGCAAAGTCAACCTACGGGAATACC
 CCAGTCTGGGGCAATTTGTAGAAGCTTCAGAAATGTTGGCAATGCCTATGAAGGGAGAAACAGACCCGC
 ACCAACCTACTTGGAGCCTCAACCAACCAGCAGAAGGGTCTCCTTTCAGACTCTGCTGCCACAGCCC
 CGATCCCAGGCATTGCCACCAAGTCATCTGTCTCTGGACTGAGAATCCGTGACCCCGGAACAACCTCAC
 TGCAAATCACTGAGATCCTGGATGAGCAGCCAGCCCTCCACCCAGCTGCTCCTCTCCCTGGCTACAT
 TCGGGAAGGAAAAACCACTCCAGTGTCTCAAGAGATCACCAGAGAAAAGATAAGGAAGACTCTCAAGAG
 ATGCCCCACCATCCCTCAGGACCCGAAGCAGTTGTCAAAGACATCTTAACATCCAAGACTAAACAATCGAG
 ATGACTCAGGAGCACAGCCTCCGGGTTCTCTGGCACCATGCATGTGGTTCAAGATAATTCTCCAGCACC
 AAATGACCCGGAAGTGCCCCAGGAAGCTCCCTGCACACCTGCAACAAGAAAAGCAAGAAAAAGAAAAAGT
 TGCATCTGGTCAAATCCAAAAGAAGACGGCAGAAAAAAGCCCTCAACATAAGATGATGGGAGTGG
 CCTCACCTGGACTGGAGTTCAGGAGAAGCTCAAGGTGGTGGGGCAGAGGACTCTGAATCAGGATGACTC
 AACTAGGAACGTGAAGGTAGTGACCAGGACTCTGAGGGAAAGGACTCGCTGTGCCAGACATCCAGTTCT
 CAAGAGATCAGCAAGGAAGCATCAAACCAAGGGCTAGAAAGAGGCCCTCAGAAGAGGCCACACAGCAG
 GAAGAACCATACACGTTCCAGAAAAGTCCAAGGACGATGCTGTGGATTTTCTCTCTACACTCTCTGT
 GACCTGTGGTGAGGCCAGAGGGACTTTGTTCAAAGAGAAACTGAAGCAAGGATCCTCAGAAAAAGTGCATT
 CAGAATGAGGCGGGAGCTTGGCTGACTGTAAAGGAGTTTTTAAAGAAAGGGGAAAGGCCACGTCAAAG
 ATTGGAAGAAAGCTATCCGTTGTAACAAGAAGACATTAAGAAGTCTGGAGCAGGATGGATTTTTGTTCTG
 TACTTCCAAAAGTAAGCCTCAAAAAGAGTGTGAC**TAG**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_001034137

Insert Size: 1437 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_001034137.1](#), [NP_001029309.1](#)
RefSeq Size: 1783 bp
RefSeq ORF: 1437 bp
Locus ID: 301570
UniProt ID: [Q3KRF1](#)
Cytogenetics: 9q35
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 (By similarity).[UniProtKB/Swiss-Prot Function]