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Product datasheet for MC203757

Sox18 (NM_009236) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Sox18 (NM_009236) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Sox18
Synonyms:	AI385749; Ra; Ragl
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>BC006612 GCCCACGCGTCCGGTGTCTCCACCCGACGTCCATCAGACCTCCGTACTTGGCTTTGCAGTGCCCGCCACT GTCTCCTGCGCTCCCGCGCCGCGTTCCGCCCAGGCCTTGCCCAGCTGGAATGCAGAGATCGCCGCCCGGC TACGGCGCACAGGACGACCCGCCCTCCCGCCGCGACTGTGCATGGGCCCCTGGAATCGGGGCCGCTGCTG AGGCGCGCGGCCTCCCTGTCACCAACGTCTCGCCCACCTCGCCCGCCTCCCCGTCCAGCCTTCCGCGGAG CCCACCGCGCAGCCCCGAATCAGGGCGCTATGGCTTTGGCCGCGGAGAGCGCCAAACTGCCGACGAGTTG CGCATTCGGCGGCCCATGAACGCCTTCATGGTGTGGGCGAAGGACGAGCGCAAGCGACTGGCGCAACAAA ATCCGGATCTGCACAACGCAGTACTGAGCAAGATGCTGGGCAAAGCGTGGAAGGAGCTGAACACGGCGGA GAAGCGGCCCTTCGTGGAAGAGGCCGAACGGCTGCGTGTGCAGCACTTGCGCGACCATCCCAACTACAAG TACCGGCCTCGCCGCAAAAAACAGGCGCGCAAGGTCCGGAGGCTGGAGCCGGGCCTCTTGCTCCCGGGCC TCGTGCAGCCGTCTGCGCCGCCCGAGGCCTTCGCTGCAGCGTCAGGGTCAGCTCGCTCCTTCCGCGAGCT ACCCACTCTGGGTGCGGAGTTCGATGGCTTGGGGCTACCCACGCCCGAGCGCTCGCCTCTGGACGGCCTG GAGCCTGGCGAGGCCTCCTTCTTCCCACCGCCTTTGGCGCCCGAGGACTGCGCTCTGCGGGCTTTCCGGG CACCCTATGCCCCTGAGCTGGCACGGGACCCGAGCTTCTGCTACGGGGCGCCCCTGGCTGAAGCGCTCAG GACAGCGCCGCCTGCCGCGCCACTCGCAGGTCTCTACTATGGCACCCTGGGCACTCCGGGCCCGTTTCCC AATCCTCTGTCACCACCACCTGAGTCCCCGTCTCTTGAGGGCACAGAGCAACTGGAGCCTACCGCCGACC TTTGGGCCGATGTGGACCTCACCGAATTTGACCAGTATCTCAATTGCAGCCGGACTCGACCGGATGCCAC TACACTCCCCTACCACGTGGCACTGGCCAAACTAGGTCCGCGCGCCATGTCCTGTCCAGAAGAGAGCAGC CTCATTTCTGCGCTGTCTGATGCTAGCAGCGCGGTCTATTACAGTGCTTGCATCTCAGGCTAGACACTGT CCTTGCCCTCCACCGCTTCTGCATGTGGCCAAGTGGCAGAGTTGCCTGCTCCCTTCCTTTCGCATATGTA TGTTAGGGTATGCAACAGCCTTTAGAGCTGGTGGCCTAAAGATGCCATTTCTGTCGCCTCCTCATTTACA CACCTCCTTCTGGGGGTTCCTGTGCTTTGGGCCTTCCCTAGGAACCTCAGGCCCTGGACGTGCTAGCTGC CTCTGCCAGGGTTGTTTTTGAATCATCTAATTCTTTTCTGCTATGTATTTTCTAGAATGAGACTGTGTTT TTTACTTTGCCTTTATATATATATACATATATAATACAATATATTTAATTTTTAATTAAACTTTTTTCTT T
Restriction Sites:	RsrII-NotI

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ACCN:	NM_009236
Insert Size:	1134 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:	BC006612, AAH06612
RefSeq Size:	1611 bp
RefSeq ORF:	1134 bp
Locus ID:	20672
UniProt ID:	P43680
Cytogenetics:	2 103.71 cM
Gene Summary:	Transcriptional activator that binds to the consensus sequence 5'-AACAAAG-3' in the promoter of target genes and plays an essential role in embryonic cardiovascular development and lymphangiogenesis (PubMed:7651823, PubMed:10742113, PubMed:12748961, PubMed:18931657, PubMed:19429912, PubMed:26939885). Activates transcription of PROX1 and other genes coding for lymphatic endothelial markers (PubMed:18931657, PubMed:26939885). Plays an essential role in triggering the differentiation of lymph vessels, but is not required for the maintenance of differentiated lymphatic endothelial cells (PubMed:18931657). Plays an important role in postnatal angiogenesis, where it is functionally redundant with SOX17 (PubMed:16895970). Interaction with MEF2C enhances transcriptional activation (PubMed:11554755). Besides, required for normal hair development (PubMed:11094083, PubMed:12748961).[UniProtKB/Swiss-Prot Function]