

Product datasheet for **MC201246**

Tesc (NM_021344) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Tesc (NM_021344) Mouse Untagged Clone
Tag: Tag Free
Symbol: Tesc
Synonyms: 1010001A17Rik; 2410011K10Rik; TE-1
Mammalian Cell Selection: Neomycin
Vector: PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection: Kanamycin (25 ug/mL)

Fully Sequenced ORF: >BC019492 sequence for NM_021344
GGAACCGGCTCCGCGCCGCTGTCCCGCGTCCCCACCCGGCTCCAGCGCAGCGCAGCCCAGGCAGTCCCC
GGCCTGCGTGGGGCGCCCGGGGCCCGCGGCGCACCATGGGCGTGCCACTCGGCGTCCGAGGAGGTGC
GGGAGCTCGAGGGCAAGACCGGCTTCTCCTCGGACCAGATAGAGCAGCTGCATCGGAGGTTCAAGCAGCT
AAGCGGGGACCAGCCACCATTGCAAGGAGAAGTTCAACAATGTCCCTGACCTGGAGCTCAACCCGATC
CGATCCAAAATCGTCCGTGCCTTCTCGACAACAGGAACCTGCGAAAGGGATCCAGCGGTCTGGCCGATG
AGATCAACTTTGAGGACTTCTGACTATCATGTCTACTTCCGGCCCATCGACACCCTGGGCGAGGA
ACAGGTGGAGCTGTACGAAAGGAGAAGCTGAAATTTCTGTTTCATATGTATGATTCCGACAGTACGGC
CGCATCACCTGGAAGAGTATAGAAATGTGGTGGAGGAGCTGCTCTCGGAAACCCTCACATTGAAAAGG
AGTCGGCTCGGTCCATTGCAGACGGGCCATGATGGAGGCGCCAGCGTGTGCGTGGGGCAGATGGAACC
GGACCAGGTGTACGAGGGGATCACCTTTGAGGACTTCTGAAGATCTGGCAGGGCATCGACATCGAGACC
AAGATGCACATTCGTTTCTCAACATGGAGACCATCGCCCTCTGCCACTGACCTGCTGCCTGCTGCCGT
GCAAGGGAGGGGTGGCTGGAAGCTGGGGTGACCGAGGACGGATGTTTCAGCCCTATGCCTGGGCTTCTG
TGACAATCAGTAACCTTCTTCAAGTTATCCTCCTCGTGGGGTGTGGTGTGGGACTCCGATATTTTTAT
CTCTAATGGTGACAATAAAGGTTTCTAATGAAAAAAAAAAAAAAAAA

Restriction Sites: RsrII-NotI

ACCN: NM_021344

Insert Size: 645 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).



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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:	<ol style="list-style-type: none">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:	BC019492 , AAH19492
RefSeq Size:	957 bp
RefSeq ORF:	645 bp
Locus ID:	57816
UniProt ID:	Q9JKL5
Cytogenetics:	5 57.84 cM
Gene Summary:	<p>Functions as an integral cofactor in cell pH regulation by controlling plasma membrane-type Na(+)/H(+) exchange activity. Promotes the maturation, transport, cell surface stability and exchange activity of SLC9A1/NHE1 at the plasma membrane. Promotes the induction of hematopoietic stem cell differentiation toward megakaryocytic lineage. Essential for the coupling of ERK cascade activation with the expression of ETS family genes in megakaryocytic differentiation. Also involved in granulocytic differentiation in a ERK-dependent manner. Inhibits the phosphatase activity of calcineurin.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (1) represents the protein-coding transcript. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>