

Product datasheet for MR202345

Tesc (NM_021344) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tesc (NM_021344) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Tesc
Synonyms:	1010001A17Rik; 2410011K10Rik; TE-1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR202345 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGGCGCTGCCACTCGGCGTCCGAGGAGGTGCGGGAGCTCGAGGGCAAGACCGGCTTCTCCTCGGACC
AGATAGAGCAGCTGCATCGGAGGTTCAAGCAGCTAAGCGGGGACCAGCCACCATTGCAAGGAGAACTT
CAACAATGTCCCTGACCTGGAGCTCAACCCGATCCGATCCAAAATCGTCCGTGCCTTCTTCGACAACAGG
AACCTGCGAAAGGGATCCAGCGGTCTGGCCGATGAGATCAACTTTGAGGACTTCTGACTATCATGTCCT
ACTTCCGGCCCATCGACACCACCCTGGGCGAGGAACAGGTGGAGCTGTCACGAAAGGAGAAGCTGAAATT
TCTGTTTCATATGTATGATTCGGACAGTGACGGCCGCATCACCTGGAAGAGTATAGAAATGTGGTGGAG
GAGCTGCTCTCGGAAACCCTCACATTGAAAAGGAGTCGGCTCGGTCCATTGCAGACGGGCCATGATGG
AGGCGGCCAGCGTGTGCGTGGGGCAGATGGAACCGGACCAGGTGTACGAGGGGATCACCTTTGAGGACTT
CCTGAAGATCTGGCAGGGCATCGACATCGAGACCAAGATGCACATTCGTTTCCTCAACATGGAGACCATC
GCCCTCTGCCAC

ACGCGTACGCGGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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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_021344.4](#)

RefSeq Size: 942 bp

RefSeq ORF: 645 bp

Locus ID: 57816

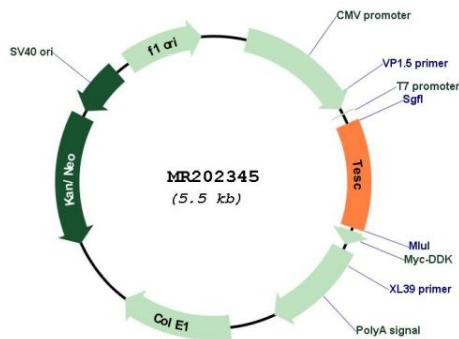
UniProt ID: [Q9JKL5](#)

Cytogenetics: 5 57.84 cM

MW: 24.6 kDa

Gene Summary: 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]

Product images:



Circular map for MR202345