

## Product datasheet for MC213045

### Tusc5 (NM\_177709) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Tusc5 (NM\_177709) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Tusc5  
**Synonyms:** C130069F04Rik; DSPB1; Lost1  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >MC213045 representing NM\_177709  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTGTAAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGGCCAACCCAGCGCAGCCTCCGCTTCAGGACCCAGGCTCCACCTCACCTTGGAACTGCCTGAGATGG  
 AGAACTACTCACAAAAGTGGAGAACAAGGATGACCAAGCCCTGAATCTGTCCAAGTCTCTGTCAAGGGC  
 TCTGGACCTGGAGCAGAATGGTCACAGCCTGCCCTTCAAGGTCATCTCCGAGGGGCACCGCCAGCCCTCC  
 CTTCCGGCTCCCTTCCCGGGTCAGCTCTCGGGGAGCATCCTCCGTATCACCACATCCTACGCCCAGG  
 ACCAAGAAGCCCCAAAGATTACCTGGTCTTGCCATTGCCTCTTGCTTCTGCCCGTCTGGCCCCCTCAA  
 CCTCATCCCCCTTATCTTTCTATCATGTCTCGAAGTAGTGTGCAGCAGGGGGACCTGGATGGGGACCG  
 AGGCTGGGCCGCTGGCAGCGCTACTCAGCATCACCTTCATCATCCTGGGCATCGTTATCATATTGTGG  
 CTGTCAGTGTCAATTTACAGTCCGAAG**TAA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_177709  
**Insert Size:** 522 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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<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u><a href="#">NM_177709.3</a></u> , <u><a href="#">NP_808377.1</a></u>
<b>RefSeq Size:</b>	3237 bp
<b>RefSeq ORF:</b>	522 bp
<b>Locus ID:</b>	237858
<b>UniProt ID:</b>	<u><a href="#">Q8C838</a></u>
<b>Cytogenetics:</b>	11 B5
<b>Gene Summary:</b>	Regulates insulin-mediated adipose tissue glucose uptake and transport by modulation of SLC2A4 recycling. Not required for SLC2A4 membrane fusion upon an initial stimulus, but rather is necessary for proper protein recycling during prolonged insulin stimulation. [UniProtKB/Swiss-Prot Function]