

Product datasheet for **RN211844**

Tusc5 (NM_001039163) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tusc5 (NM_001039163) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Tusc5
Synonyms:	DSPB1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>RN211844 representing NM_001039163 Red=Cloning site Blue=ORF Orange=Stop codon

TTTGTAAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCCAACCCAGTGCAGCCTCAGCTTCAAGACCCAGGCTCCACCTCACCTTGGATCTGCCGAGATGG
 AGAAGCTTCTACCAAAGTGGAGAACAAGGATGACCAAGCCTTGAATCTGTCCAAGTCTCTGTCAAGGGC
 TCTGGATCTGGAGCAGATGGTACAGCCTACCCTTCAAGGTATCTCCGAGGGGCACCGCAACCTTCC
 CTTTCTGGTTCCCTTCCCGGGCAGCTCTCGGCGAGCATCTCCGTCGTACACACCTCTACGCCCAGG
 ACCAAGAAGCCCCAAAGATTACCTGGTCCTTGCCATTGCCTCTTGCTTCTGCCCGTCTGGCCCTCAA
 CCTCATCCCCCTCATCTTTCCATCATGTCTCGAAGTAGTGTGCAGCAGGGGGACCTGGATGGGGCACGG
 AGGCTGGGCCCGCTGGCAGCGCTGCTTAGCATCACCTTCATCATCTGGGTATCGTTATCATCATCGTGG
 CTGTCACTGTCAACTTCACAGTCCGAAG**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	SgfI-MluI
ACCN:	NM_001039163
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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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:	<u>NM_001039163.1, NP_001034252.1</u>
RefSeq Size:	3410 bp
RefSeq ORF:	522 bp
Locus ID:	360576
UniProt ID:	<u>Q2MHH0</u>
Cytogenetics:	10q24
Gene Summary:	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]