

Product datasheet for **MC207781**

Tusc3 (NM_030254) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Tusc3 (NM_030254) Mouse Untagged Clone
Tag: Tag Free
Symbol: Tusc3
Synonyms: AU022242; BC003311; N33
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC207781 representing NM_030254
Red=Cloning site **Blue**=ORF **Orange**=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGAGTGCCAGGGCCGCTCCTTCAGCCGGAGACAGGCGGGCCGCGGTTGCGCTACCTGCCTACTGGTA
GCTTTCCCTTCTCTCTTGTCTGCTGCTCTGCATCCAGCTCGGGGGCGGACAGAAGAAAAGGAGAA
CCTTTTGGCTGAAAAGTGGAGCAGCTGATGGAATGGAGTTCAGGCGCTCGATCTTCAGAATGAACGGC
GACAAGTTCGGAAAGTTGTAAAAGCCCCACTCGGAACTACTCCATGATCGTCATGTTCACTGCTCTGC
AGCCTCAGCGGCAGTGTCTGTGTGCAGGCAGGCTAACGAAGAATATCAAATCCTGGCTAATTCCTGGCG
TTATTCATCTGCTTTTTGCAACAACTGTTTTTGGAAATGGTGGACTATGATGAAGGGACAGATGTTTTT
CAACAGCTCAACATGAACTCCGCTCCCACATTCATGCATTTTCTTCAAAGGCAGACCCAAGAGAGCTG
ATACTTTGACCTTCAACGAATTGGATTTGCAGCTGAGCAGCTAGCAAAATGGATTGCCGACAGGACGGA
TGTTCAATTCGAGTTTTCCGGCCACCAACTACTCAGGCACCATTGCTTTGGCCCTGTTAGTGTCACTG
GTTGGTGGCTTGCTTTATCTAAGGAGGAACAACCTGGAGTTTATCTATAACAAGACTGGTTGGCCATGG
TATCTCTGTGTATAGCTTTTGTATGACGTCTGGCCAGATGTGGAATCATATCCGTGGACCTCCATATGC
TCATAAGAACCACACAATGGACAAGTGAGCTACATTCATGGAAGCAGCCAGGCTCAGTTTGTGGCAGAG
TCACACATCATTCTAGTACTGAATGCTGTATCACCATGGGGATGGTTCTTCTAAATGAAGCAGCAACT
CCAAAGGGGATGTGGGAAAAGACGCATCATTTGCCTCGTGGGATTGGGCTTGGTGGTCTTCTTCTTCAG
TTTTCTCTTTCAATATTTCTGTTCAAAGTACCATGGCTATCCATATAGCTTTTTAATTAATGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_030254



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Insert Size:	1044 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:	<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:	NM_030254.3 , NP_084530.3
RefSeq Size:	1527 bp
RefSeq ORF:	1044 bp
Locus ID:	80286
UniProt ID:	Q8BTV1
Cytogenetics:	8 A4
Gene Summary:	Acts as accessory component of the N-oligosaccharyl transferase (OST) complex which catalyzes the transfer of a high mannose oligosaccharide from a lipid-linked oligosaccharide donor to an asparagine residue within an Asn-X-Ser/Thr consensus motif in nascent polypeptide chains. Involved in N-glycosylation of STT3B-dependent substrates. Specifically required for the glycosylation of a subset of acceptor sites that are near cysteine residues; in this function seems to act redundantly with MAGT1. In its oxidized form proposed to form transient mixed disulfides with a glycoprotein substrate to facilitate access of STT3B to the unmodified acceptor site. Has also oxidoreductase-independent functions in the STT3B-containing OST complex possibly involving substrate recognition.[UniProtKB/Swiss-Prot Function]