

Product datasheet for **MC202937**

Tuft1 (NM_011656) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tuft1 (NM_011656) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Tuft1
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC019213 sequence for NM_011656
 CCACGCGTCCGGCGTGAAGATGAACGGGACGCGGAACTGGTGTACCTTGGTGGACGTGCACCCGGAGAGC
 CAGACCGCGGGCAGCGTGGACATTTCTCAGGCTGACGCTCCAGAGTGAAGTACAGGAGATGAAGTGGAGC
 ACATAGCCAGAAAGGCGGGCAGGAAGACCTATGCCATGATGCCTGGCCACTCCTCAGGTCATTCTCTGGC
 TTCAGAAGTGGTGGAGTCCCATGATGGCCATGAAGAGATCATTAAAGTTTACTTGAAGGGAGGTCTGGG
 GACAAGATGACCCATGAGAAGAACATCGACCAGCTGAAGAGTGAAGTCCAGTACATCCAGGAGGCCAGGA
 ACTGCCTGCAGAAAGCTCCGGGAGGATATCAGTAGCAAGCTTGACAGGAGTCCAGGAGACCCCTCTGCGTCA
 GCAGGAGATACAGGTGGTACTAGAAAAGCCAAATGGCTTTAGTCAGAGTCCCATGACTCTCTACAGTAGC
 CCACCTGAGGTGGACCCTAGCATGAGTGAAGATGTTGAGAGCTTGAAGAAGACTGTGCAGGAGTTGCTTG
 TCAAGCTGCGGGAGGCTGAGCGCGACACCAGTACAGCCGTGTGGCCTTTGAGGTCACACTCAGCCGTTA
 TCAGCGAGAAGCAGAACAGAGTAATGTGGCCCTTCAGAGAGAGGAGGACAGAGTGGAGCAGAAAAGCGGCA
 GAAATCGAGGAGCTACAGAGGCGCTTGTGGGGATGGAGGCGGAGCATCAGGCCTTACTGGTGAAGTCA
 GGAAGGAGAGATGGCCCTAGAAGAGCTTCGGATCAAGAACGCTGACTGTCAAACAGAAAAGAAAAAGTC
 TGCTGCTCTAGAAAAGGAAGTGGCTGGGTTTCGGGAGAAGATCCACCCTGGATGACATGCTGAAGAGC
 CAGCAGCGGAAAGTTCGGCAGATGATAGAGCAGCTCCAGAATTCAAAAGCTGTGATCCAGTCAAAGGATG
 CCACCATTCAAGAGCTCAAGGAGAAAATTCCTATCTGGAGGCTGAGAAGTCTAGAGATGCACGACCCGAT
 GGAGCATCTAATAGAGAAGCAGGTCAGCCACGGAACTTCAGCACACAGGCCCGTCCAAGACAGAGAAC
 CTGGGCAGTGTCCAGGATATCGAAGCCCCCAGCCCAAGCCTATGCCTCTCATCCGGGTGGTGGAAACCT
 GAGCTGCCAGGAGATGGACGTTGCCGTTGACGTTGCCCTCAGTCTGCAGAGAAGCCCTCCTCCCTTGTAG
 GCGGTTGATACTGACTGACTTCCCTGACTACCCTGGTACCCGACAGTCTGGGCTCTTGGCCAGGCTCCT
 GTCCTCTGCTTGTGGCAGATGGGTCCGGAGCGCTGTCTCCTCAGGACACTGCAGACCTTGGGAAGACA
 GTCTCCTGCTAGCAGGAACGAAGCAATACCCTTATTCTCAGTTAGTGTCTTCCACATAACAGAGCTTC
 CCTGCTGTGTGCACTGGAATCTAGCTGCCAAAAGCCAGGCCCTTGGTAAGTCCAGAGAAGTGACAAAAT
 TTGTCTCAGCCCAAAAAGCTAGAAGCCAGATGCCAGAGTACTGGAGCGTGTCTGGGGAGTGACGT
 TCCTTCTGCAAACACAGCTCAGTTCTTAGCAACAAACTGTTTGTCTTCCGCTTACTCCACCCTTGTGCC
 ATGCTGACCAGGGCCTTTCCAGACAGCCAATGGGGATATAGTTGGCCAGGCCTGGTCTTAGCCAGGGA
 ACCTGGCCTACTAGATAGCCTTGCCTTTGGGGACACAGGAATGTCCATTAGGCTGCAGTTTTGGGTAG
 GAAGATTCTTGGGGCTATGAATAGTTCATGGAAGCTCCCGTCTGTGGGTTTTCCCTGCGGTGTCCTG
 AGAGGCACACCTTAGCCTCCCTAACCCAGAACTGAGAAGTGTCTCCTCTGTCAGTCTCAGAAAAGTGT
 ACTGTATTTATTTGCTAAGTTATTGCTGGTTTTGCTTATATCTCATAATTGATTTAGTACCAGTGTCT
 GCAGCTTCTGCCGAGGTATTTAGGTTTACCTGGACATGGGAAAGTATCCTGGTTGGCCTCGTTGGTTT
 CACAGTGCATACTAACTCCCATGCCATCCCTCTAGCTGCTGCTTTTCTTTTCCCTAGAGTCTAC
 CTGTAAGTCCAGGAGGCTCATGTCTGTCCAGAGTGTGTGTGTCTGGGGAATAGGGCAGTGGGGACTGTT
 TGGGAGGAAACAGAGGTTCTTCTAATCTCTCTGAACACTTCCACCATAACAACCTCTATCCCAGCCCTG
 AATGACCTGCAGCTCATCGTGTTCGCTATAGTGTGGTCTAGTAGCCTCATGAGTGTCTACTTGGCTCA
 CAACCAGAAGCCTTAAGTCTTGTGTGTTCTGTGTGAGGACTAGACCCAGATCCTGGCTTGTCTGTACA
 GTGTCTGAGACTTCAGGCAGAACGAGTGGGTTGTACATAATCTCCGTGCCCTTCAAATCTTTTCTG
 TCTGTGACATAGTCTTTGTATGGCAACTTAATAAATTATGCTAACAAAAAAAAAAAAAAAAA

Restriction Sites: RsrII-NotI

ACCN: NM_011656

Insert Size: 1173 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:

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: [BC019213](#), [AAH19213](#)

RefSeq Size: 2581 bp

RefSeq ORF: 1173 bp

Locus ID: 22156

UniProt ID: [O08970](#)

Cytogenetics: 3 F2.1

Gene Summary: Tuftelin is an acidic protein that is thought to play a role in dental enamel mineralization and is implicated in caries susceptibility. It is also thought to be involved with adaptation to hypoxia, mesenchymal stem cell function, and neurotrophin nerve growth factor mediated neuronal differentiation. [provided by RefSeq, Aug 2014]
Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1). 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.