

## Product datasheet for **SC335933**

### Tuftelin 1 (TUFT1) (NM\_001301317) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Tuftelin 1 (TUFT1) (NM_001301317) Human Untagged Clone
Tag:	Tag Free
Symbol:	Tuftelin 1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC335933 representing NM_001301317. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGAGCAGTCCAGGAATGACCTCTCTACAAGTAGAGAAAGAAGATGCATGCAATGTGTTCCCTGTAGT
CCAAGAACCAGGGTAGCCCTGCTGGAGCTCTACAGAGCCATGTGCCAGGGCAGCGTGGACATTCTCAGG
CTGACTCTCCAGGGTGAAGTACAGGAGATGAACCTGAACACATAGCCCAGAAGCGGGCAGGAAGACC
TATGCCATGGTGTCCAGCCACTCAGCTGGTCATTCTCTGGCTTCAGAAGTGGTGGAGTCCCATGATGGA
CATGAGGAGATCATTAAAGGTGACTTGAAGGGGAGGCTGGAGACAAGATGATTCACGAGAAGAATATT
AACCACTGAAGAGTGAAGTCCAGTACATCCAGGAGGCCAGGAAGTGCCTACAGAAGCTCCGGGAGGAT
ATAAGTAGCAAGCTTGACAGGAACCTAGGAGATTCTCTCCATCGACAGGAGATACAGGTGGTGTAGAA
AAGCCAAATGGCTTTAGTCAGAGTCCCACAGCCCTGTACAGCAGCCACCTGAGGTGGACACCTGTATA
AATGAGGATGTTGAGAGCTTGAGGAAGACGGTGCAGGACTTGTGGCCAAGCTTCAGGAGGCCAAGCGG
CAACACCAGTCAGACTGTGTGGCTTTTGGAGTCACTCAGCCGGTACCAGAGGGAAGCAGAAACAAAGT
AATGTGGCCCTTCAGAGAGAGGAGGACAGAGTGGAGCAGAAAGAGGCAGAAAGTCCGAGAGCTGCAGAGG
CGCTTGCTAGGGATGGAGACGGAGCATCAGGCCTTACTGGCGAAAGTGAAGGAAAGGGAGGTGGCCCTA
GAGGAACCTCGGAGCAACAATGCTGACTGCCAAGCAGAACGAGAAAAGGCTGCTACCCTGAAAAAGGAA
GTGGCCGGGTTGCGGGAGAAGATCCACCACTTGGATGACATGCTCAAGAGCCAGCAGCGAAAGTCCGG
CAAATGATAGAGCAGCTCCAGAATTCAAAAGCTGTGATCCAGTCAAAAGGACGCCACCATCCAGGAGCTC
AAGGAGAAAAATCGCTATCTGGAGGCAGAGAAATTTAGAGATGCATGACCCGGATGGAACACCTGATAGAA
AAACAAATCAGTCATGGCAACTTCAGCACCAGGCCCGGGCCAAGACAGAGAACCAGGGCAGTATTAGG
ATATCCAAGCCGCTAGCCCGAAGCCATGCCTGTGATCCAGAGTGGTGGAAACCTGA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites:	SgfI-MluI
ACCN:	NM_001301317



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<b>Insert Size:</b>	1230 bp
<b>OTI Disclaimer:</b>	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).
<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>	<a href="#">NM_001301317.1</a>
<b>RefSeq Size:</b>	3257 bp
<b>RefSeq ORF:</b>	1230 bp
<b>Locus ID:</b>	7286
<b>UniProt ID:</b>	<a href="#">Q9NNX1</a>
<b>Cytogenetics:</b>	1q21.3
<b>Protein Families:</b>	Secreted Protein
<b>MW:</b>	46.4 kDa
<b>Gene Summary:</b>	<p>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]</p> <p>Transcript Variant: This variant (3) includes an additional exon compared to variant 1. The transcript may be subject to nonsense mediated decay or may be translated from ribosomal leaky scanning. The inferred protein (isoform 3) has a distinct N-terminus compared to isoform 1.</p>