

Product datasheet for **SC323006**

Tuftelin 1 (TUFT1) (NM_001126337) Human Untagged Clone

Product data:

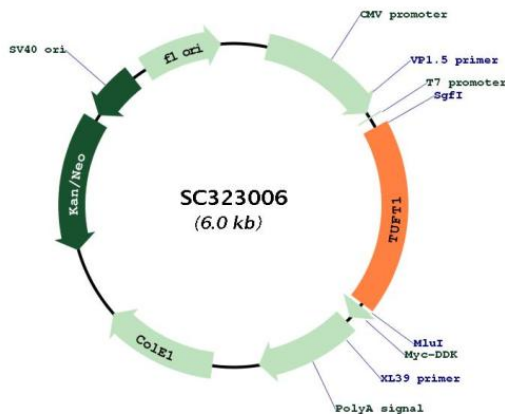
| | |
|---------------------------|--|
| Product Type: | Expression Plasmids |
| Product Name: | Tuftelin 1 (TUFT1) (NM_001126337) Human Untagged Clone |
| Tag: | Tag Free |
| Symbol: | TUFT1 |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |
| Fully Sequenced ORF: | >SC323006 representing NM_001126337. Blue=Insert sequence Red=Cloning site Green=Tag(s) |

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGAACGGGACGCGGAACCTGGTGTACCCCTGGTGGACGTGCACCCAGAGGACCAGGCGGGCGGGCAGG
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ATTAGGATATCCAAGCCGCTAGCCCGAAGCCCATGCCTGTCATCCGAGTGGTGGAAACCTGA
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TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites: Sgfl-MluI



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Plasmid Map:


ACCN: NM_001126337

Insert Size: 1098 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).

OTI Annotation: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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: [NM_001126337.1](#)

RefSeq Size: 3083 bp

RefSeq ORF: 1098 bp

| | |
|--------------------------|--|
| Locus ID: | 7286 |
| UniProt ID: | <u>Q9NNX1</u> |
| Cytogenetics: | 1q21.3 |
| Protein Families: | Secreted Protein |
| MW: | 41.5 kDa |
| Gene Summary: | <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 (2) lacks an in-frame coding exon resulting in a shorter protein isoform (2).</p> |