

Product datasheet for **MC219123**

Tapt1 (NM_173764) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tapt1 (NM_173764) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Tapt1
Synonyms:	4932414K18Rik
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC219123 representing NM_173764
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCGGGCGTCTGCGACGCGGCCGCCCGGGAGAAGGCGGCGGTGGCGGCGGACGGCCCGAGCGGA
 CCGGCCGCGGCGAGGCGGAGCAGCCGGGTGGTGGCGGCCATGGGCCCGGCCAACACACCGAGACGCT
 GGGCTTCTACGAGAGCGACCGGGCGGGAGAAGCGCCGCGCCGCGCAGAACTGTCATTATTGAGGTTCT
 CTCAGTGTGAAGTACAGAGAGGACTTCTTGAACATAATGAAGCAAGTATACAGAGCGAAGAGAAA
 GGGTGTACACTTGTATGCGAATACCAAGAGAATTGAAAAGCTCATGTTCTTTGGAATATTTTTGTGCCT
 CGATGCCTTTCTGTATGTGTTCCACCTGCTTCTTTAAGAGTCTTTCTGGCGCTATTGAGGCTCCTCACT
 CTGCCTTGTATGGCTTAAGGGACCGACGTCTGCTTCAGCCCGCACAGGTGTGTGACATTTGAAGGGCG
 TCATCTTGGTAATCTGCTATTTTCATGATGACTATGTTGACTACTCCATGATGTACCACCTGATAAGAGG
 CCAGTCTGTCATCAAGCTCTATATCATCTACAACATGCTAGAGGTAGCTGATCGTCTGTTCTCCTCGTTT
 GGACAAGATATCTTAGATGCTCTCTACTGGACAGCCACAGAGCCGAAAGAAAGGAAAAGAGCACACATTG
 GAGTCATTCTCACTTCTTCATGGCTGTTCTCTATGTCTTTCTACATGCAATTCTTATCATGGTTCAAGC
 AACAACTCTCAATGTAGCTTTTAACTCTCAACAAGTCACTGCTTACTATCATGATGTCTAATAATTTT
 GTTGAAATTAAGGAAGTGTATTCAAGAAGTTTAAAAGAATAATCTCTTTCAGATGTCAAATAGTGATA
 TTAAGGAGCGATTACAAATTACGTGCTTTTGTAAATAGTGTGCTTAAGAAACATGGAGCAGTTTTCTTG
 GAATCCAGATCATCTCTGGGTGTGTTTCTGACGTCTGTATGGTGATTGCATCCGAAATTGCTGTGGAT
 ATTGTAAGCATGCCTTTATCACCAAATCAATGACATCACTGCAGATGTCTACAGTGAATATAGAGCCA
 GCCTTGCTTTTGACCTTGTAGCAGCCGACAGAAAAATGCATACACAGACTACAGTGACTCGGTGGCAGC
 GAGGATGGGGTTTATTCCTCTCCCGCTAGCTGTCTTACTCATCAGAGTTGTAACAAGCTCAATTAAGTG
 CAAGGAATCCTGTCTACGCCTGTGCATACTCTTCTATTTTGGGTTGATCTCCTTGAAAATACTTAATA
 GCATTGTGCTGTTGGGAAAGTCTGTCAATACGTGAAGGAAGCCAAAATGGAAGAGAAGCTATTTAATCC
 TCCTCCAGCCAGCACACCCGAAAACCTCCAGCAAATCCAGAGCAAGGGCAAGCCCTCTCAAGGCCTT
 TCCACAGAAGAAAACCTGTCTGCCTCCGTACCAGCCAGCCTGGTTCATCAGAAAGAAAACGTACACCTT
 TACTCGTGACTAGCAATCTGATCAGTTCTGACAACCCAGATGGTGATGAGAAGGACATAACACAGGA
 AAATTCTGAGTTAAAGCACAGATCCTCAAAGAAAGACTTGTTAGAAATAGACAGGTTACAATTTGCGGG
 AACCGGATTGACTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul

ACCN: NM_173764

Insert Size: 1695 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: [NM_173764.3](#), [NP_776125.2](#)

RefSeq Size: 3508 bp

RefSeq ORF: 1695 bp

Locus ID: 231225

UniProt ID: [Q4VBD2](#)

Cytogenetics: 5 B3

Gene Summary: Plays a role in primary cilia formation (By similarity). May act as a downstream effector of HOXC8 possibly by transducing or transmitting extracellular information required for axial skeletal patterning during development (By similarity). May be involved in cartilage and bone development (By similarity). May play a role in the differentiation of cranial neural crest cells (By similarity).[UniProtKB/Swiss-Prot Function]