

Product datasheet for **MG215579**

Tomt (NM_001081679) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	Tomt
Synonyms:	Comt2; F930017119Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence: >MG215579 representing NM_001081679
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

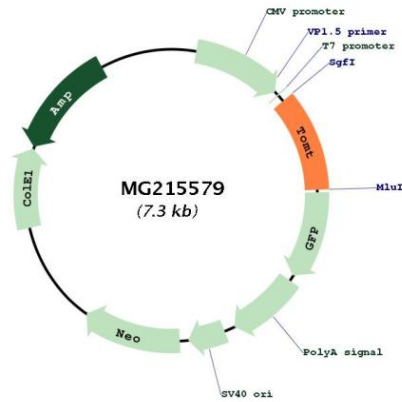
ATGTCCCCTGCCATTGCACTGGCATTCTGCCACTCGTGGTAACACTGCTGGTGGAGATACCGGCACCATT
TCCGACTGCTGGTGCCTACAGTCTGCTGAGAGGATTCGAGACTGCCTGTCAGGACTTCGGATTGAGGA
GCGGGCTTTCAGCTATGTGCTCACCATGCCCTGCCTGGAGACCCCTGGTCACATCCTCACCACGCTTGAC
CATTGGAGCAGCTGCTGCGAGTACCTGAGCCACATGGGCCCTGTTAAAGGTCAGATTCTGATCGCGCTGG
TGAAGAGAAGGCCCTGCTTGTGTGCTGGAGCTGGGCACATACTGGATACTCTACACTGCTTATTGC
GCGAGCCTTCCCCCTGGAAGTCGCTTCTCACTGTGGAGCGGGACTCACGTACAGCAGCAGTGGCTGAA
AAAGTCATCCGGCTGGCAGGCTTCGATGAGCAAATGGTGGAGCTCATTGCAGGCAGCTCAGAGGAAGTGA
TCCCACGCCTAAGAGCTCAGCACCAGCTGAATCGTGCAGATCTGGTCTCCTGGCACACCGACCTCGGTA
TTACTTAAGGGATCTGCAGCTACTGGAGGCCATGCTCTGCTCCCATGGCGCCACTGTATTGGCTGAC
CATGTGCTTTTTCTGGTGCACCCCGCTTCTACAGTACACCAAGAGCTGTGGTTCGCTATCGCTGCCGCC
TTCACCACACCAGCCTCCAGACTTCCCTGCCATTAAGATGGCATAGCCCACTCACCTATACTGGACC
CGGC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	NM_001081679.1 , NP_001075148.1
RefSeq Size:	1354 bp
RefSeq ORF:	777 bp
Locus ID:	791260
UniProt ID:	A1Y9I9
Cytogenetics:	7
Gene Summary:	Catalyzes the O-methylation, and thereby the inactivation, of catecholamine neurotransmitters and catechol hormones (PubMed:18794526). Required for auditory function (PubMed:18794526, PubMed:28504928). Component of the cochlear hair cell's mechanotransduction (MET) machinery. Involved in the assembly of the asymmetric tip-link MET complex. Required for transportation of TMC1 and TMC2 proteins into the mechanically sensitive stereocilia of the hair cells. The function in MET is independent of the enzymatic activity (PubMed:28504928).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG215579