

Product datasheet for **MG215424**

Tmem176b (NM_001164208) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Tmem176b (NM_001164208) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Tmem176b
Synonyms: 1810009M01Rik; Clast1; Lr8
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG215424 representing NM_001164208
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGTCCAGAGCACAGTGACTGTGAATGGAGTCAAAGTGGCCTCCACACATCCCCAGTCCGCTCACATCA
GCATCCACATCCACAAAAATCTGCTTTGGAGCAGCTGCTGGGAGCTGTGGGCTCCCTGAAGAAGTTTCT
CTCCTGGCCTCAGGCCAGAATCCACTATGGGCAGCTGTCTCTAGGGGTGACCCAGATATTGCTGGGGCTT
GTGAGCTGTGCTCTTGGAGTATGTCTCTACTTCGGGCCTTGACTGAGCTGTGCGCCTTTGGCTGTGCTT
TCTGGTCGGGTCTGTGGCAATTCTAGCTGGAGTTGGTACTATTGTCCATGAGAAGAGGCAGGGAAA
GTCCGGCCAGGTATCATGTCTCCTCCTGGCTTGCAATTGCCACAGCTGCAGCTGTACGTTCTGGGT
GTGAACAGCTTAATCAGGCAAACAGTGTTCCTACTACGTCGAGATCTTTCCACATGCAACCCCTTGC
AATCAAGCATGGACCCTGGGTATGGGACAGTGCATACAGTGATGATTCAGACTGGAAGACAGAGAGGTG
CAGAGAGTACCTGAACATGATGATGAACTTGTTCCTAGCGTTCTGCATCATGCTCACAGTGGTCTGTATC
CTGGAGATTGTTGTCTGTGGCTTCCCTGGGACTAAGTCTCCGAAGTATGTATGGCCGGAGCTCCCAGG
CCCTGAATGAAGAAGAGTCAGAGAGGAAGCTTCTTGATGGGATCCAGCACCTGCGTCCCCGGCCAAAGA
GAAGATCCCTGCTATCCTG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG215424 representing NM_001164208
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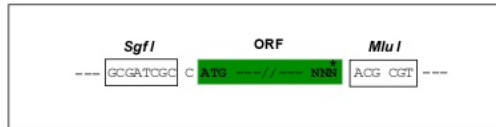
MVQSTVTVNGVKVASTHPQSAHISIHQKSALEQLLGAVGSLKKFLSWPQARIHYGQLSLGVTQILLGL
 VSCALGVCLYFGPWTELCAFGCAFWSGSVAILAGVGTIVHEKRQKLSGQVSCLLLLACIATAAAATVLG
 VNLSLRQTSVPYYVEIFSTCNPLQSSMDPGYGTVRYSDDSDWKTERCREYLNMMNMLFLAFCIMLTVVCI
 LEIVVSVASLGLSLRSMYGRSSQALNEEESERKLLDGHAPAPASPAKEKIPAIL

TRTRPLE - GFP Tag - V

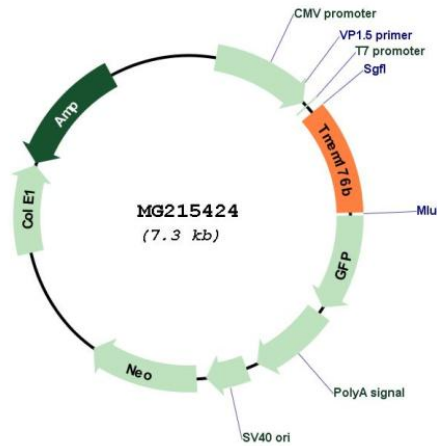
Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



Plasmid Map:



ACCN: NM_001164208

ORF Size: 789 bp

OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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:	<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.
RefSeq:	NM_001164208.1 , NP_001157680.1
RefSeq Size:	1069 bp
RefSeq ORF:	792 bp
Locus ID:	65963
UniProt ID:	Q9R1Q6
Cytogenetics:	6 23.75 cM
Gene Summary:	May play a role in the process of maturation of dendritic cells (By similarity). Required for the development of cerebellar granule cells.[UniProtKB/Swiss-Prot Function]