

Product datasheet for **MC216977**

Th (NM_009377) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Th (NM_009377) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Th
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC216977 representing NM_009377
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGCCACCCCCAGCGCCTCTCGCCACAGCCCAAGGGCTTCAGAAGAGCCGTCTCAGAGCAGGATACCA
 AGCAGGCCGAGGCTGTACGTCCCCAAGTTTCATTGGACGGCGCAGAGTCTCATCGAGGATGCCCGCAA
 GGAGCGGAGGCAGCAGCAGCTGCAGCAGCGGCTGCGGTAGCCTCCGCGGAACCTGGGAACCCATTGGAG
 GCTGTGGTATTCGAGGAGAGGGATGAAATGCTGTTCTCAACCTGCTCTTCTCCTTGAGGGGTACAAAAC
 CCTCTCACTGTCTCGGGCTTTGAAAGTGTGGAGACATTTGAAGCCAAAATCCACCACTTAGAGACCCG
 GCCTGCCAGAGGCCACTGGCAGGAAGCCCCACCTGGAGTACTTTGTGCGCTTCGAGGTGCCAGTGGC
 GACCTGGTGCCTCCTCAGTTCTGTGCGTCGGGTGTCTGACGATGTGCGCAGTGCCAGAGAGGACAAGG
 TTCCTGGTCCCAAGGAAAGTGTGAGATTGGATAAGTGTACCACCTGGTACCAAGTTTGACCTGA
 CCTGGACCTGGACCATCCGGCTTCTCTGACCAGGCGTATCGCCAGCGCCGGAAGCTGATTGCAGAGATT
 GCCTTCCAATACAAGCAGGGTGAGCCAATTCGCCACGTGGAATACACAAAGGAGGAAATGCTACCTGGA
 AGGAGGTATACGCCACGCTGAAGGGCTCTATGCTACCCATGCCTGCCGGGAACACCTGGAGGCTTTCCA
 GCTTCTGGAACGGTACTGTGGCTACCGAGAGGACAGCATTCCACAGCTGGAGGATGTGTCTCACTTCTTG
 AAGGAACGGACTGGCTTCCAGCTGCGACCCGTGGCCGGTCTACTGTCTGCCCGTATTTTCTGGCCAGTC
 TGGCCTCCGTGTGTTTCAGTGCACACAGTACATCCGTATGCCTCCTCACCTATGCACTCACCCGAGCC
 AGACTGCTGCCACGAGCTGCTGGGACACGTACCCATGTTGGCTGACCGCACATTTGCCAGTTCTCCCAG
 GACATTGGACTTGATCTCTGGGGCTTCAGATGAAGAAATGAAAACTCTCCACGGTGTACTGGTTCA
 CTGTGGAGTTTGGGCTGTGTAACAGAATGGGGAGCTGAAGGCTTACGGTGCAGGGCTGTGTCTTCTTA
 TGGAGAGCTCCTGCACTCCCTGTGACAGGAGCCGAGGTCGGGGCTTTGACCCAGACACAGCAGCCGTG
 CAGCCCTACCAAGATCAACCTACCAGCGGTGTACTTCGTGTCAGAGAGCTTCAGTGATGCCAAGGACA
 AGCTCAGAACTATGCCTCTCGTATCCAGCGCCATTCTCTGTGAAGTTTGACCCGTACACCCTGGCCAT
 TGATGTACTGGACAGTCTCACACCATCCGGCGCTCCTTAGAGGGGTCCAGGATGAGCTGCACACCCTG
 ACCAAGCACTGAGTGCCATTAGCTAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Chromatograms: https://cdn.origene.com/chromatograms/ja1165_d10.zip

Restriction Sites: Sgfl-Mlul

ACCN: NM_009377

Insert Size: 1497 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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](#)

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:	<u>NM_009377.1</u> , <u>NP_033403.1</u>
RefSeq Size:	1757 bp
RefSeq ORF:	1497 bp
Locus ID:	21823
UniProt ID:	<u>P24529</u>
Cytogenetics:	7 88.06 cM
Gene Summary:	Plays an important role in the physiology of adrenergic neurons.[UniProtKB/Swiss-Prot Function]