

Product datasheet for MC223105

Mtmt3 (NM_028860) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Mtmt3 (NM_028860) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Mtmt3
Synonyms:	1700092A20Rik; AI255150; AW557713; FYVE-DSP1; mKIAA0371; ZFYVE10
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>MC223105 representing NM_028860 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGATGAAGAGATGCGGCATAGCCTTGAGTGCATCCAGGCCAATCAGATCTTTCCAGGAAGCAGCTGA
TTCGGGAGGATGAGAATCTTCAGGTTCCCTTGAACCTCATGGAGAGACACAGAGTATGTGGGCCG
TGCTGAGGAGGCCATCATTGCTCTTTCTAATTACAGGCTTCACATCAAGTCAAGGAGTCTCTTGCAAT
GTTCCATTACAGCTTATTGAAAGCGTTGAATGCCGTGATATATTTACAGCTTCATTTGACATGCAAAGACT
GCAAAGTTATCAGGTGTAGTTCACCAACCTTTGAGCAATGTCAAGATTGGCTTAAGAGATTGAACAATGC
AATCCGACCACCTGGTAAAATAGAAGATCTCTTCTCATTGTCATACCATGCTTGGTGCATGGAGGCTAC
GCCAGTGAAAAGGAGCAGCATGGAGACCTGTGCAGACCAGGGGAACATGTGACGTCAAGGTTAAGAATG
AAGTGGAGCGGATGGGTTTTGATATGAACAATGCCTGGAGGATTTCCAACATCAATGAGAAATACAAAT
ATGTGGTAGTTATCCACAAGAGCTCATAGTGCCTGCTGGATCACTGACAAAGAGCTGGAAAGCGTGGCA
GGCTTCAGATCCTGGAAGCGCATCCCTGCTGCATCTACAGGCACCAGAGCAATGGAGCTGCATTGCC
GCTGCGGACAACCGGAGTTAGCTGGTGGGCTGGCGAAATGCTGATGATGAACATCTGGTGCAGTCAGT
GGCCAGAGCCTGTGCTTCTGACTCTCAGTCAAGTATCAGCAAGGTTTCCACTCGGAACAGTTGTCCGGAC
TTTCCCAACGCAGGGATCTTTAGATGTGGAGTTCGATTCTCTCTGTCAAATACTTCAGGAGCAGAAA
GTTTAGCTCTCCAGCCCCAGAAGCTTTTATGATCTTGGATGCACGCTCCTATGCAGCAGCTGTGGCAAATCG
AGCCAAAGGAGGAGGCTGTGAGTGCCAGAGTATTATCCTAAGTGTGAAGTTGTGTTATGGGAATGGCA
AACATACATTCTATCCGGAGGAGTTTCCAGTCTCTGCGGCTGCTGTGCACACAGATGCCAGATCCTGGAA
ATTGGCTTTCTGCCCTTGAAGTACAAAGTGGCTCCATCACCTATCTGTGCTTCTGAAGTCGGCACTTCT
CGTGGTGCATGCTGTGGACCGTATCAGCGACCAGTGTAGTGCAGTGTCCGATGGCTGGGATCGGACT
CCCCAGATTGTGGCCCTAGCTAAGCTCCTACTTGACCCTTATTACCGAACCATAGAGGGTTTCCAAGTCC
TGGTGGAGATGGAATGGCTCGATTTTGGCCATAAGTTTGTGACCGGTGTGGTCAATGGGAGGACTCAGA
TGATCTGAATGAGCGCTGCCAGTGTCTACAATGGCTTACTGTGTTTCACTTCAGAGGCAGTTT
CCTTGCTCTTTGAGTTCAACGAAGCATTCTTGTGAACTGGTACAGCATACCTATTCTGTCTCTTTG



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GAACATTCCTGTGCAACAACGCCAAAGAGAGAGGGGAAAAGCAGACTCAGGAACGGACATGCTCTGTGTG
 GTCACCTTCTCGAGCAGGCAACAAGGCTTTCAAAAACCTACTGTATTATCTCAGTCAGAAGCCGTGCTC
 TACCCCGTGTGCCATGTGCGGAATCTGATGCTGTGGAGCGCAGTGTACCTTCCCTGCCATCCCCATCTA
 CCCCCACAGATGACAGCTGTGCACCATACCCAGTCCCAGGCACTAGCCCTGATGAGCCCCACTGAGCCG
 GCTACCCAAGACTAGATCATTGACAATCTGACCACAACCTGCGAAAACATGGTGCCGCTGGCCAGCCGG
 CGCAGCAGTGACCCAGCCTGAATGAGAAGTGGCAGGAGCACGGGCGCTCGCTGGAGCTGAGCAGCTTTG
 CCAGCGCTGGGGAAGAGGTGCCTGCTATGGACAGCCTGCGCAAGCCCAGCAGGCTGCTCGGAGGTGCTGA
 GCTTTCTGTGGCAGCCGAGTGGCTGAAGGGCAGATGGAGAACATTTTGCAAGAGGCCACCAAAGAGGAG
 AGTGGGGTAGAAGAGCCTACCCACAGGGGGCACACTGAGGTGCCAGAGGTCAAAGAGGAGGCACCCCTAG
 CAAAAGAAAGTAGCATGGCGGCCGAGGGCCCCGTTGACTTTACCAAGAACCACAGCTGGATGACGCTAC
 TTTAAGAAGCCATCAAGGCCCGCCTCTCTTTGTTCTCCAGGGTATTCTGAACATCAGGATGGGCAC
 AATGTCCTCTCTAGTTCCTCAAGCTCCTCTCAGGGGAGAGGACTCCCAGGAGGTCCCTGTAGAACAGC
 CTCAAGTAGAGAATATTGCAGAGGACAGGGAGAATGTAGCTCCTGCTGTCCCAGTAGATGCAAAAGTTGG
 CCTTGGTATCTCACAGTCTAGTTCTCTGCTGCCTCCCAAGTCCCATTGAGACAAGAGGACCACACATC
 AACAACTCCGTGCACATGTTACTCGAAGATAAGGTAAGTCAAGTCAAGTGGGCCCCAGCTCCATCACAGAC
 CTTGCCAGCAAGCAGTGGTAGATTCAAGTGGCAAGGACATGCTTCTGTAGCACCAGAGCCAGGCTCTGC
 TGAGAGGCCCCAGTGGGACTCTGTGCTACACAGGACTTATCCCTGGCAACACCCTTAGCCTGCTGCAG
 GCTCCTTGTGCCCTGGCGTTAGATAAATGTAGACAGGGAATTGTGTGCAACGGTGCCTAGAGACTGAAA
 ACAAGGCCCTCAGAACAGCCTGCAGGGTTTGACACCCTTCAGAAGTACCCACACCCAATGGGCATTGTGC
 CAATTGGGAGGCTGGGAGGAGCAAGGACTCACTGAGCCACCAGCTGTCTGCCACAAGCTGTAGCTCTGCT
 CACTTGTACTCGAGGAATTGCACCACAAGTGGCTGAATAGCCACTCAGGGAGGCCATCCACTACCAGCA
 GCCCTGACCAGCCTTCCCGCAGCCACCTGGATGACGATGGCATGCCTGTGTACACGGACACAATCCAACA
 GCGCCTGCGACAGATAGAGTCTGGTCACCAGCAGGAAGTGGAGACCTTGAAGAAAACAAGTCCAGGAGTTG
 AAGAGTCGCTGGAGAGCCAGTACCTGACCAGCTCTCTGCGCTTCAATGGAGACTTTGGAGATGAAGTGA
 TGACTCGTTGGCTACCTGACCACCTGGCTGCCACTGCTATGCCTGTGACAGTGCCTTCTGGCTCGCCAG
 TAGGAAGCACCCTGCAGGAATTGTGGGAATGATTCTGCTCCAGTTGTTGTAACCAGAAGGTTCCGGTT
 CCTAGCCAGCAGCTTTTGAACCCAGTCGAGTGTGCAAGTCTTGTATAGCAGCCTCCATCTACAAGCT
 CCAGCATTGACCTTGAAGTGGATAAGCCTATTGCTGCCACTTCAAAC**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:

Sgfl-MluI

ACCN:

NM_028860

Insert Size:

3480 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_028860.2](#), [NP_083136.2](#)

RefSeq Size: 5691 bp

RefSeq ORF: 3480 bp

Locus ID: 74302

Cytogenetics: 11 A1

Gene Summary: Phosphatase that acts on lipids with a phosphoinositol headgroup. Has phosphatase activity towards phosphatidylinositol 3-phosphate and phosphatidylinositol 3,5-bisphosphate. May also dephosphorylate proteins phosphorylated on Ser, Thr, and Tyr residues (By similarity). [UniProtKB/Swiss-Prot Function]