

Product datasheet for RN211921

Mtmt3 (NM_001012038) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Mtmt3 (NM_001012038) Rat Untagged Clone
Tag: Tag Free
Symbol: Mtmt3
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >RN211921 representing NM_001012038
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGGATCGCC

ATGCGGCATAGCCTTGAGTGCATCCAGGCCAATCAGATCTTCCAGGAAGCAGCTGATTCGGGAGGATG
 AAAATCTTCAGGTTCTTCTTGAAGTCCATGGAGAGACACAGAGTATGTGGCCGTGCTGAGGATGC
 CATCATGGCCCTCTAATTACAGACTTCACATCAAGTTAAGGAGTCTTGTGAATGTTCCATTACAG
 CTTATAGAAAGCGTTGAATGCCGTGATATTTTACAGTTCACTTGACATGCAAAGACTGCAAAGTTATCA
 GGTGTCAGTTCCTAACCTTTGAGCAGTGTCAAGATTGGCTTAAGAGATTAACAATGCAATCCGACCACC
 TGGAAAAATAGAAGATCTTCTCATTTCATATCCATGCTTGGTGCATGGAGGTCTATGCCAGTAAAAA
 GAGCAGCATGGAGACCTGTGCAGACCAGGGGAACATGTAACGTCAAGGTTAAGAATGAAGTGGAGCGGA
 TGGGTTTTGATATGAACAATGCCTGGAGGATTTCCAACATCAATGAGAAATACAAATTATGTGGTAGTTA
 TCCACAAGAGCTCATAGTACCTGCCTGGATCACTGACAAAGAACTAGAAAGCGTGGCAGGCTTCAGATCC
 TGAAGCGCATCCCCGCCGTCTACAGGCACCAGAGCAATGGAGCCGTCATTGCCCGCTGCGGACAGC
 CCGAGGTTAGCTGGTGGGCTGGCGGAATGCTGATGATGAACATCTGGTGCAGTCACTGGCCAAGGCTTG
 TGCTTCTGACTCTCAGTCAAGTGTGGCAAGGTTTCCACTCGGAACAGTTGTCCGGGCTTTCCCAATGCA
 GGGGATCTTTCTGATGTGGAGTTCGATGCCTCTGTCAAATGCTTCAGGAACAGAAAGTTAGCTCTCC
 AGCCACAGAAGCTTTTGATCTTGGACGCACGCTCCTATGCAGCAGCTGTGGCAAATCGAGCCAAAGGAGG
 GGGCTGTGAGTGTCCAGAGTATTATCCAACTGTGAAGTTGTGTTATGGGAATGGCAAACATACATTCT
 ATCCGGAGGAGTTTCCAGTCTCTGCGACTGCTGTGCACACAGATGCCAGATCCTGGAAATGGCTTTCTG
 CTCTTGAAGTACGAAGTGGCTCCACCACCTGTCTGTGCTTCTGAAGTCGGCACTTCTCGTGGTGCATGC
 TGTGGACCGAGATCAGCGACCACTGCTGGTGCAGTCTCAGATGGCTGGGATCGCACTCCCCAAATCGTG
 GCCCTGGCTAAGCTTCTGCTGGACCTTATTACCGAACCCTAGAGGGTTTCCAAGTCTTGTGGAGATGG
 AATGGCTGGATTTGGCCATAAGTTTGTGATCGGTGTGGTTCATGGGGAGAACTCAGATGACCTGAATGA
 GCGTTGCCAGTGTCTTCCAATGGCTTACTGTTCATCAACTCCAGAGGCAATTTCTTGTCTTTT
 GAGTTCAACGAAGCATTCTTGTGAAGCTGTTTCAGCACACCTATTCTGTCTCTTTGGGACATTCTGT
 GCAACAACGCCAAGGAGAGGGGGGAGAAGCAGACTCAGGAACGGACATGCTCGGTGTGGTCTTCTGCG
 GGCCGGCAACAAGGCTTCAAAAACCTGTATATTCATCCAGTCAGAAGCCGTGCTGTACCCTGTGTGC



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CATGTGCGGAATCTGATGCTGTGGAGTGCAGTGTACCTTCCCTGCCCGTCCCATCCACCCACAGACG
 ACAGCTGTGACCATACCCAGCCCCAGGCACCAGCCCTGATGAGCCTCCACTGAGCCGGCTACCCAAGAC
 TAGATCATTGACAATCTGACCACAACCTGTGACAACATGGTGCCGCTGGCCAGCCGGCGCAGCAGTGC
 CCCAGCCTGAATGAGAAGTGGCAGGAGCACGGGCGCTCGCTGGAGTTGAGCAGCTTTGCTGGCTCTGGG
 AAGAGGTGCCTGCCATAGACAGCCTGCGCAGGCCAGCAGGCTGCTCGGAGGAGCCGAGCTATCTGTGG
 AGCTGGTGTGGCTGAAGGGCAGATGGAGAATATTTGCAAGAGGCCACCAAGAGGAGAGTGGGGTAGAA
 GAGCCCACCCACAGGGAGCACACTGAGGTGCCAGAGGTCAAAGAGGAGGCACCCCTAGCAAAAGAGAGTA
 GGACGGCAGCTCAGGGCTCAGGTGTACTTTACCAAGAACCACAGCTGGATGATGCTACTCTAAGGAGCCA
 TTTAGGCCCCAGCCTGTCTTCGTTCTCCAGGGTATTCTGAGCATCGGGAGGTGGGACAGTGTCTC
 TCTAGTTCCTCCAGCTTCTCTCAGGGGAGAGGACTCCAGGAGGTCCCTGTAGAACAGCCTCAAGTAG
 AGAACATTGCAGAGGACAGGGAGAATGTAGTCCCTGCTGTCCCAGTAGATGTAAAAATTGGCCTTGGTAC
 CTCAGAGTCTAGTCTCTGCTGCCTTCCCAAGTCCATTTCGAGACAAGAGGACCACACATGAACAACTCC
 GTGCACATGTTATTAGAAGATAAGGTGAAGTCCGAGAGTGGGCCAGCTCCATCACAGACCCTGCCTGG
 CAAGCAGTGGTAGATTGAGTGGCAAGGACATGCTTCTATAGCACCAGAGCCAGGTCTGCTGAGAGGCC
 CCAGTGGGACTCTGTGCTACACAGGACTTCTTCCCTGGCAACACCTCAGCCTGATGATGCAGGCTCCT
 TGTGCCTTGCCATTAGACAAATGTAGACAGAGAATTGTGTGCAACGGTGCCTTAGAGACTGAAAACAAGG
 CCTCAGAACAGCCTGCAGGGTTTGACACCTTCAGAAGTACCCACACCAATGGGCATTGTGCCAATGG
 GGAGACTGGGAGGAGTAAGGACTCACTGAGCCACCAGCTGTCTGCCACAAGCTATAGCTCTGCTCACTCG
 TGCTCAAGGAAGTGCACCACAAGTGGTGAATAGCCACTCGGGGAGGCCATCCACTACCAACAGCCCTG
 AGCAGCCTTCCCGCAGCCACCTGGATGATGACGGCATGCCTGTGTACACAGACACGATCCAACAGCGCT
 GCGACAGATAGAGTCTGGTACCAGCAGGAAGTGGAGACCTTGAAGAAACAAGTCCAGGAAGTGAAGAGT
 CGCCTGGAGAGCCAGTACCTGACCAGCTCTCTGCGCTTCAATGGGACTTTGGAGATGAAGTGAAGTCAA
 TCCCGACTCGGAAAGCAATCTGGATCAGAAGTGTGCTCGCTGCAGCACAGAGATTTCTCTGAAGC
 CAGCTGGGAGCAGGTGGATAAACAGGACACAGAGATGACCCGTTGGCTACCTGACCACCTGGCTGCCAC
 TGCTATGCCTGTGACAGTGCCTTCTGGCTTCCAGTAGGAAGCACCAGTGCAGGAATTGTGGAAACGTAT
 TCTGCTCCAGTTGTTGTAACCAGAAGGTTCCAGTTCAGCCAGCAGCTCTTTGAACCCAGTTCGAGTGTG
 CAAGTCTTGCTATAGCAGCCTCCATCCCAAGCTCCAGCATTGACCTTGAAGTGGATAAGCCTATTGCT
 GCCACTCAAAC**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:

SgfI-MluI

ACCN:

NM_001012038

Insert Size:

3585 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_001012038.1](#), [NP_001012038.1](#)

RefSeq Size: 5733 bp

RefSeq ORF: 3585 bp

Locus ID: 305482

UniProt ID: [Q5PQT2](#)

Cytogenetics: 14q21

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]