

Product datasheet for **MG211725**

Mtmt3 (BC081544) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Mtmt3 (BC081544) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Mtmt3
Synonyms:	FYVE-DSP1, ZFYVE10, mKIAA0371
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG211725 representing BC081544 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGATGAAGAGATGCGGCATAGCCTTGAGTGCATCCAGGCCAATCAGATCTTTCCAGGAAGCAGCTGA
TTCGGGAGGATGAGAATCTTCAGGTTCTTTCTTGAACCTCATGGAGAGACACAGAGTATGTGGGCCG
TGCTGAGGAGGCCATCATTGCTCTTTCTAATTACAGGCTTCACATCAAGTTCAAGGAGTCTCTTGCAAT
GTTCCATTACAGCTTATTGAAAGCGTTGAATGCCGTGATATATTTACAGCTTCATTTGACATGCAAAGACT
GCAAAGTTATCAGGTGTCAGTTCCTCAACCTTTGAGCAATGTCAAGATTGGCTTAAGAGATTGAACAATGC
AATCCGACCACCTGGTAAAATAGAAGATCTCTTCTCATTTCATACCATGCTTGGTGCATGGAGGCTAC
GCCAGTAAAAGGAGCAGCATGGAGACCTGTGCAGACCAGGGGAACATGTGACGTCAAGGTTAAGAATG
AAGTGGAGCGGATGGGTTTTGATATGAACAATGCCTGGAGGATTTCCAACATCAATGAGAAATACAAT
ATGTGGTAGTTATCCACAAGAGCTCATAGTGCCTGCTGGATCACTGACAAAGAGCTGAAAGCGTGGCA
GGCTTCAGATCCTGGAAGCGCATCCCTGCTGCATCTACAGGCACCAGAGCAATGGAGCTGTCATTGCC
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TTTCCCAACGCAGGGGATCTTTTCAGATGTGGAGTTCGATTCTCTGTCAAATACTTCAGGAGCAGAAA
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CGTGGTGCATGCTGTGGACCGTATCAGCGACCAGTGCTAGTGCAGTCTCCGATGGCTGGGATCGGACT
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TGATCTGAATGAGCGCTGCCAGTGTCTACAATGGCTTACTGTGTTCACTTCAGAGGCAGTTT



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CCTTGCTCTTTGAGTTCAACGAAGCATTCCCTGTGAAACTGGTACAGCATACCTATTCCTGTCTCTTTG
GAACATTCCTGTGCAACAACGCCAAAGAGAGAGGGGAAAAGCAGACTCAGGAACGGACATGCTCTGTGTG
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TGAGAGGCCCCAGTGGGACTCTGTGCTACACAGGACTTCATCCCCTGGCAACACCCTTAGCCTGCTGCAG
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GCGCCTGCGACAGATAGAGTCTGGTCACCAGCAGGAAGTGGAGACCTTGAAGAAAACAAGTCCAGGAGTTG
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CCTAGCCAGCAGCTTTTGAACCCAGTCGAGTGTGCAAGTCTTGCTATAGCAGCTCCATCTACAAGCT
CCAGCATTGACCTGAACTGGATAAGCCTATTGCTGCCACTTCAAAC

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence: >MG211725 representing BC081544
 Red=Cloning site Green=Tags(s)

MDEEMRHSLECIQANQIFPRKQLIREDENLQVPFLELHGESTEYVGRAEEAIIALSRYRLHIKFKESLVN
 VPLQLIESVECRDIFQLHLTKDCKVIRCQFPTFEQCQDWLKRNLNNAIRPPGKIEDLFSFAYHAWCMEVY
 ASEKEQHGDLCRPGEHVTSRFKNEVERMGFDMNNAWRISNINEKYKLCGSPYQELIVPAWITDKELESVA
 GFRSWKRIPAVIYRHQSNGAVIARCGQPEVSWWGWNRADDEHLVQSVARACASDSQSSISKVSTRNSCRD
 FPNAGDLSDFEFDSSLSNTSGAESLALQPQKLLILDARSYAAAVANRAKGGGCECEPEYYPNCEVVFMGMA
 NIHSIRRSFQSLRLLCTQMPDPGNWLSALESTKWLHLLSVLLKSAVVHAVDRDQRPVLVHCSDGWDRD
 PQIVALAKLLLDPPYRTIEGFQVLVEMEWLDFGHKFAADRCGHGEDSDDLNERCPVFLQWLDCVHQLQRQF
 PCSFEFNEAFLVKLVQHTYSCLFGTFLCNAKERGEKQTQERTCSVWSSLRAGNAFKNLLYSSQSEAVL
 YPVCHVRNMLWSAVYLPSPSTPTDDSCAPYVPGTSPDEPPLSRLPKTRSFNLTTCENMVLASR
 RSSDPSLNEKQWEHGRSLELSSFASAGEEVPAMDRLKPSRLLGGAELVAAGVAEQMENILQEATKEE
 SGVEEPTHRGTEVPEVKEEAPLAKESSMAAEGPVVLYQEPQLDDATLRSHQGPSLSLFSQGIPEHQDGH
 NVLSSSLQAPLSGEDSQEVPVEQPQVENIAEDRENVAPVVDKAVGLGISQSSSLLPSQVPFETRPHI
 NNSVHMLLEDKVKSESGPQLHHRPCPASSGRFSGKDMLPVAPEPRSAERPQWDSVLHRTSSPGNTLSLLQ
 APCALPLDKCRQGIVCNGALETENKASEQPAGFDLTKYPTPNGHCANWEAGRSKDSLHQLSATSCSSA
 HLYSRNLHHKWLNSHSGRPSTTSSPDQPSRSHLDDDGMPVYTDTIQQRLRQIESGHQVEVETLKKQVQEL
 KSRLESQYL TSSLRFNDFGDEVMTRWLPDHLAAHCYACDSAFWLASRKHHCRCNGVFCSSCCNQKVPV
 PSQQLFEPSRVCKSCYSSSLHPTSSSIDLELDKPIAATSN

TRTRPLE - GFP Tag - V

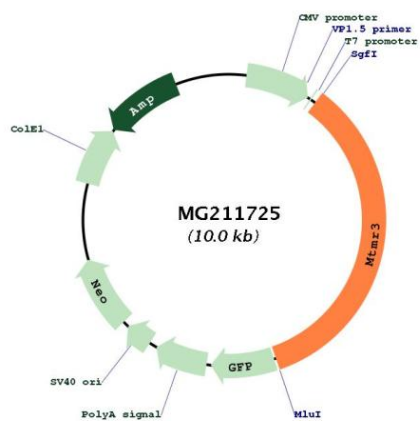
Restriction Sites: SgfI-MluI
 Cloning Scheme:



ACCN: BC081544
 ORF Size: 3479 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:	BC081544 , AAH81544
RefSeq Size:	3994 bp
RefSeq ORF:	3479 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]

Product images:



Circular map for MG211725