

Product datasheet for **SC328408**

MTX3 (NM_001167741) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MTX3 (NM_001167741) Human Untagged Clone
Tag:	Tag Free
Symbol:	MTX3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC328408 representing NM_001167741. Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGAATTCGTCGACTG
 GATCCGGTACCGAGGAGATCTGCCGCC**CGATCGCC**
 ATGGTTTCTCAGCCAGCAAAAATACTAACTTTTTAAGAAACAGAAATATAATGCTGATTATGAACTC
 TCAGCAAAACAAGGGGCAGATACATTGGCTTATATTGCTCTCCTCGAAGAGAAGCTTCTCCCTGCAGTG
 CTTACACATTCTGGGTTGAGAGTGACAATTACTTTACTGTGACAAAGCCATGGTTTGCTTCACAAAT
 CCTTTTCTTTGAGTTTGATCCTGCCTGGAAGAATGTCTAAGGGAGCACTGAATAGGATTCTCCTGACC
 AGAGGACAGCCTCCCCTCTACCACCTCCGAGAAGTGAAGCACAGATATACAGAGATGCCAAGGAGTGC
 CTAATCTTCTATCAACAGATTGGGAACATCTCAGTTTTTCTTTGGAGATACGCCTTCTACCTTGGAT
 GCCTATGTTTTTGGTTTTTCTTGACCTCTTACAAAGTACGGTTTCTTAAAGTTACGTACAAGAACAT
 CTGAAACAGCTCTCCAACCTCTGTCGCTTTTGTGATGACATCCTGAGCAGTTATTTAGGCTTAGTCTT
 GGAGGCATCTCTCCAGCTGGACAAGAACGGTAGATGCAATCTGCAGAACTCACACAATTGTAAAT
 AAGGAATCCAACCTTGATTGAAAAGATGGATGACAATCTTCGCCAAGCCCTCAGCTTCTCCTCGGAAA
 CTGCCAACCTTAAATTGACTCCAGCAGAAGAAGAAAATAATTCCTTCCAACGGCTTTCGCC**TGA**
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
 TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC

Restriction Sites:	SgfI-MluI
ACCN:	NM_001167741
Insert Size:	756 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).


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OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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_001167741.1</u>
RefSeq Size:	7882 bp
RefSeq ORF:	756 bp
Locus ID:	345778
UniProt ID:	<u>Q5HYI7</u>
Cytogenetics:	5q14.1
MW:	28.6 kDa
Gene Summary:	<p>Could function in transport of proteins into the mitochondrion.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (1) differs in the 5' UTR and coding sequence compared to variant 3. The resulting isoform (1) is shorter at the N-terminus compared to isoform 3.</p> <p>Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>