

## Product datasheet for **SC120689**

### MTFMT (NM\_139242) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	MTFMT (NM_139242) Human Untagged Clone
Tag:	Tag Free
Symbol:	MTFMT
Synonyms:	COXPD15; FMT1; MC1DN27
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_139242, the custom clone sequence may differ by one or more nucleotides

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ATGAGGGTGTGGTTCGGCGCTGTTGGGGTCTCCGCTGGCTCATGGCGCCAGGCGTGGGAGGCCGAGTC
CCCAGTGGCGAGCACTGGCCCGACTCGGCTGGGAGGACTGCCGGGACTCCAGAGTCCGCGAGAAGCCTCC
CTGGCGGGTGCTCTTCTTCGGCACGGACCAGTTCGCCCGGAGGCGTGC GGCGCTGCACGCCGCCAGG
GAAAACAAGAAGAAGAGTTAATCGACAACTGGAGGTGGTCACAATGCCTTCCCATCACCAAAAGGAC
TGCCAGTGAAGCAATATGCTGTGCAGTCTCAGCTCCCGTATATGAGTGGCCGGATGTGGGATCTGGAGA
ATATGATGTTGGAGTAGTGGCTTCGTTTGGCCGACTTTTGAATGAGGCTCTTATTCTAAATTTCCCTAT
GGCATATTGAATGTTTCATCCCAGTTGCCTCCCGAGATGGCGTGGCCAGCCCTGTAATCCATACAGTGC
TTCACGGAGACACAGTTACTGGAGTAACAATTATGCAAATTAGACCTAAAAGTTTGATGTAGGCCCAAT
TCTCAAACAAGAACTGTTCTGTGCCACCCAAGAGCACTGCAAAGGAATTGGAAGCAGTGTGTCAAGA
CTGGGTGCCAACATGCTCATTTTCAGTTTTGAAAAATTTGCCTGAAAGTCTGAGCAATGGAAGGCAGCAGC
CAATGGAGGGGGCGACTTACGCCCTAAGATTTCTGCTGGTACCAGTTGTATAAAATGGGAGGAACAAAC
TTCAGAACAAATATTCAGACTTTACCGTGCCATTGGAAATATAATTCCGTTGCAGACGCTCTGGATGGCG
AATACCATTAACTTCTGGATTTGGTAGAAGTTAACAGTTCAGTCCTTGTGATCCAAAATTAACGGGAC
AGGCTCTTATCCAGGATCAGTAATATACCACAAAACAGTCACAAATACTATTGGTTTATTGCAAGGATGG
TTGGATTTGGTTCGATCAGTGTGCTCAAGAAATCACTAACAGCTACTGACTTCAATGATGATTTTG
CACCCCTGGTACCAGAAAAATTCCTCAAGCTCAACCAAGCAATGCAGATTTTCAGACTCTCAGACTTCCAA
CAAAGAAGAAGCAGAAAAAACTGTTGCTATGCAACAATGCATTGAGTAG
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<b>5' Read Nucleotide Sequence:</b>	>OriGene 5' read for NM_139242 unedited GTATTTTGAATACGACTCACTTATAGGGCGGCCGCGATTCCGGCAGGAGGGTCACAATG GCCTTCCCACACCAAAAGGACTGCCAGTGAAGCAATATGCTGTGCAGTCTCAGCTTCC CGTATATGAGTGGCCGGATGTGGGATCTGGAGAATATGATGTTGGAGTAGTGGCTTCGTT TGGCCGACTTTGAATGAGGCTCTTATTCTTAAATTTCCCTATGGCATATTGAATGTTCA TCCCAGTTGCCTCCCGAGATGGCGTGGCCAGCCCTGTAAATCCATACAGTGCCTCACGG AGACACAGTTACTGGAGTAACAATTATGCAAATTAGACCTAAAAGTTTGATGTAGGCC AATTCTCAAACAAGAACTGTTCTGTGCCACCAAGAGCACTGCAAAGGAATTGGAAGC AGTGTGTCAAGACTGGGTGCCAACATGCTCATTTTCAGTTTTGAAAAATTTGCCTGAAAG TCTGAGCAATGGAAGGCAGCAGCCAATGGAGGGGGCGACTTACGCCCTAAGATTTCTGC TGGTACCAGTTGTATAAAATGGGAGGAACAACTTCAGAACAATATTCAGACTTTACCG TGCCATTGGAAATATAATTCCGTTGCAGACGCTCTGGATGGCGAATACCATTAACTTCT GGATTTGGTAGAAGTTAACAGTTCAGTCCTTGCTGATCCANAATTACGGGACAGGCTCTT ATTCCANNGATCAGTATATACCACAACAGTCACAATACTATTGGTNTATTGCANGGAT GGTGGATTGGTGTTCGATCAGTATGCTCAAGAAATCACTTACAGCTACTGACTTTCTA CATGGATATTTGCACCCCTGGTACCAGAAAANNTCCAGCTCACCCAGCCATGCAGATTC AGACTCTAGACTTNCACAAGAAGAGCAGAAAACTGTGCTTGCACATGCATTGATGTTAG GAGAGATGATAAACTATTCTATTGATTTTT
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	NM_139242
<b>Insert Size:</b>	1100 bp
<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>RefSeq:</b>	<a href="#">NM_139242.2</a> , <a href="#">NP_640335.1</a>
<b>RefSeq Size:</b>	2763 bp
<b>RefSeq ORF:</b>	2763 bp
<b>Locus ID:</b>	123263
<b>UniProt ID:</b>	<a href="#">Q96DP5</a>
<b>Cytogenetics:</b>	15q22.31
<b>Domains:</b>	formyl_transf

**Protein Pathways:** Aminoacyl-tRNA biosynthesis, One carbon pool by folate

**Gene Summary:** The protein encoded by this nuclear gene localizes to the mitochondrion, where it catalyzes the formylation of methionyl-tRNA. [provided by RefSeq, Jun 2011]