

## Product datasheet for **RN216525**

### **Mcat (NM\_001191788) Rat Untagged Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Mcat (NM\_001191788) Rat Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Mcat  
**Synonyms:** RGD1306698  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Fully Sequenced ORF:** >RN216525 representing NM\_001191788  
**Red**=Cloning site **Blue**=ORF **Orange**=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGAACGCCCGGTAGCTCGGGCCTGTTGGCCTGGGGCTCCTGGGGCCGCCGCCCGCCTCGAGCCTTC  
GGGAGCCTCCACCGGATGCCGTGGACGTGGCGGGCTGCTACGGGACTCCAGTGTGACCGAGGAGGGAGT  
CCAGGAGCGGTGGCGCGCGGCCGCCCTCGCGTCTCCGTTCTGCTCTCCCCGGTCAAGGCAGCCAG  
GCGGTCCGCATGGGTGGCGGCCTGCTCCACTTCCCGGTGTACGGCAGCTCTACGAGGCCGCGCACCGAG  
TGCTTGGCTACGATCTGCTGGAAGTGTGCTGCGGGACCTCAGGAGGATCTGGACCGCACAGTGCATTG  
CCAACCCGCTGTCTTCGTGGCTTCACTGGCCGCGTGGAGAAGCTACATCACCTGCAACCGCGGTATC  
GAGAACTGTGTTGCTGCCGCTGGATTACAGCGTGGGGAGTTTGCAGCCCTTGTTGTTGCTGGAGCCATGG  
AGTTTGGGAAGGTCTGTATGCAGTGAAGTCCGAGCTGAAGCCATGCAAGAAGCGTCTGAAGCCGTTCC  
CAGTGGGATGCTGTCTGCTTGGCCAGCGTCAGTCCAACCTTCTCCTTTCCTGCTTGGAAAGCCAGGAG  
CACTGCAGGCTTTGGGTATAGAGAACCGGTGTGCCAGGTGTCCAACCTACCTCTTCTGACTGCAGGG  
TCATCTCAGGACACCTTGAGGCCCTCAGTTTCTCCGGAAGAATCCGCTAAGTTCACTTCAGGCGCAC  
CAAGATGCTACCTGTAAGTGGTGGCTCCATACCTGCCTCATGGAGCCAGCTGTGGAGCCTCTGATGAAA  
ACTCTAGGCTCAATCAACATCAAGAAGCCACTGGTTGCCGTCATTCCAACGTCAGTGGGCATAAATACA  
CACATCCACAACACATCCGAAAGCTGCTAGGGCAGCAGGTGGTGTACCCAGTGAAGTGGGAACAGACGAT  
GCACTGTATATACGAGCGGAAGAAGGGCATGGAGTTCCCGCAGCACCTTTGAGGTGGGCCCGGGCAGCAG  
CTGGGGAGTATCCTCAAGTGTGCAACAGGCAGGCATGGAAGTCTACAGCCACGTGGATGTGATGCAGA  
CCCTTTTGGACCCTGACCACTGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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<b>Restriction Sites:</b>	Sgfl-Mlul
<b>ACCN:</b>	NM_001191788
<b>Insert Size:</b>	1143 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>OTI Annotation:</b>	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
<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>	<u>NM_001191788.1, NP_001178717.1</u>
<b>RefSeq Size:</b>	1900 bp
<b>RefSeq ORF:</b>	1143 bp
<b>Locus ID:</b>	315173
<b>Cytogenetics:</b>	7q34