

## Product datasheet for **RN204658**

### **Metrn (NM\_001009962) Rat Untagged Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Metrn (NM\_001009962) Rat Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Metrn  
**Synonyms:** Hyrac; RGD1306222  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >RN204658 representing NM\_001009962  
**Red=Cloning site Blue=ORF Orange=Stop codon**

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGCTGGTAGCGGCTTCTCTGCGCGCTGTGCTGCGGCCTCTTGCTGCGTCCGCTCGAGCTGGCTACT  
CCGAGGACCGCTGCAGCTGGAGGGCAGCGTTTGACCCAGGAACCTGGCAGCGTGGGGCAGCTGACCT  
GGATTGACTGAGGGTGTATCGAGTGGCTGTATCCAGCTGGGGCGCTGCGCCTGACTCTAGGCGGCTCT  
GATCCGGGCACGCGCCAGCATCGTCTGTCTGCGCCAAACAGGCCCTTCGCTGGTGCCAGGTCTTCG  
CTGAACGGATGGCCGGCAACCTAGAGTTGCTACTGGCCGAAGGCCAAGGCCTGGCTGGGGCCGCTGCAT  
GCGCTGGGGTCCCTCGCGAGCGCCGAGCCCTTTTCTGCGAGCCACGCCACACCGGGACATCAGCCGAGA  
GTTGCTGCCTTCCAATTTGAACTGCACGAGGACCAACGTGCAGAAATGTCTCCCGAGGCCAAGGTTTTG  
GTGTGGATGGTGCTGCAGGCCCTGCAGTGTGCCGAGCTCCTTCTGACTGCATGCACCAAGTACTTTGT  
GATCCATGGGACCATCCATGGGGTGCATGACATGGAGCTGCAAGAATCAGTCATCACTGTGGTGGCC  
ACTCGTGTATCCGCCAGACACTGCCACTGTTCCAGGAAGGGAGCTCGGAGGGCCGGGGCCAGGCCCTCCG  
TTCGTACCTTGTGCGCTGTGGTGTGCGTCTGGCCAGGCTCCTCCTTTCATGGGCTGGAGCCGATT  
TGGCGAAGCTTGCTGGGCTGCGCTCCCGCTTCCAAGAGTTTCAGCCGTGTCTATTACAGTGTCTCTCGCG  
GCCACCTCAACCATGTGAGGTGGCACTGGACTGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_001009962  
**Insert Size:** 876 bp



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<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>	<u><a href="#">NM_001009962.1</a></u> , <u><a href="#">NP_001009962.1</a></u>
<b>RefSeq Size:</b>	924 bp
<b>RefSeq ORF:</b>	876 bp
<b>Locus ID:</b>	287151
<b>UniProt ID:</b>	<u><a href="#">Q5Q0T9</a></u>
<b>Cytogenetics:</b>	10q12
<b>Gene Summary:</b>	Involved in both glial cell differentiation and axonal network formation during neurogenesis. Promotes astrocyte differentiation and transforms cerebellar astrocytes into radial glia. Also induces axonal extension in small and intermediate neurons of sensory ganglia by activating nearby satellite glia (By similarity).[UniProtKB/Swiss-Prot Function]