

## Product datasheet for **SC304234**

### MAST205 (MAST2) (NM\_015112) Human Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** MAST205 (MAST2) (NM\_015112) Human Untagged Clone  
**Tag:** Tag Free  
**Symbol:** MAST205  
**Synonyms:** MAST205; MTSSK  
**Mammalian Cell Selection:** None  
**Vector:** [pCMV6-XL5](#)  
**E. coli Selection:** Ampicillin (100 ug/mL)

**Fully Sequenced ORF:** >OriGene sequence for NM\_015112 edited  
GGTGGCCTGCCAACGTGTGCTGGGTGGGAGAAGGCGAGGGCGGCAGCGATGCTGTCTCTT  
CCGTGAGGAGCGCAGAGGAGGTCGCGGCCCGGAGGCCCCAGAAGGCTCGAAGGCGCCCG  
GGGCTGGGGTCGGTGGCTTAGGGAGCCCGTCCGGCCATGGTGGCCGCGGGTGGTGGTTGG  
CGCGGCTGCGCTGCGGCCCGGGCAGTGCAGGAGCCGGACAGTCCGCGGCTGACGCCCG  
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CCCCACCGCCGGAGGATGGAGTTCAGCGGGCAGCGGAGCTGTCTCAGTCTTTGCCGCCG  
CGCCGCGCAGCGCCCGCCGGGAGGCAGCGGCTGGAGGAGCGGACGGGCCCGCGGGGCC  
GAGGGCAAGGAGCAGGATGTAGTAACTGGAGTTAGTCCCTGCTCTTCAGGAACTCAGT  
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GATTGTAAGTTATGGAGAGGAACTGGCCAGCTCTCTATCGGGTAAGCAGCTGCTCCCT  
TTGTCCAGCAGTGTACATAGCAGTGTGGACAGGTGACTTGCCAGTCGTCAGGAGAAGCA  
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CAAGATGCTCATGAGCGCTCAGAGAGCTCAGAAGTGGCTTTTGTGATGCAGCTGGTGAAA  
AAGCTGATGATTATCATTGCCGCCAGCAGTCTCCTGGAATGCCTGGAGTTTGACCCT



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GAAGAGTTCTACCACTTTTAGAAGCAGCTGAGGGCCACGCCAAAGAGGGACAAGGGATT  
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 GAAATGGCCAGTTGAGCAGCTGTGACAGTCTGACACTCCAGAGACAGATGATTCTATT  
 GAGGGCCATGGGGCATCTCTGCCATCTAAAAAGACACCCCTCTGAAGAGGACTTCGAGACC  
 ATTAAGCTCATCAGCAATGGCGCCTATGGGGCTGTATTTCTGGTGCGGCACAAGTCCACC  
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 TCCTCAGCAGGCCCAACCTAGGTCAGTCTGGAGCCACAGACCCCATCCCTCCTGAAGGT  
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 GGACTCACCCACCAGCAGTTGCTCTCCTCCAGCTCCACCTCTGGGAAGCTGAGCATG  
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 AACCTGTCTCCAGGGAGCAGGGGAAGACACAGCCACCTAGTGCCCCAGACTGGCCCAT  
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 GACGTTCCATGCCGAGGCTGCCCCCTCACCCAGAAGTCTGAGCCAGCCTCAGGAGGGGC  
 CAAGAACCAGGGGCCATCAAAAGCATCGGGATTTGGCATTGGTTCCAGATGAGCTTTTA  
 AAGCAAACATAGCAGTTGTTGCCATTTCTTGCACTCAGACCTGTGTAATATATGCTCCT  
 GGAAACCAA

<b>Restriction Sites:</b>	Please inquire
<b>ACCN:</b>	NM_015112
<b>Insert Size:</b>	5700 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>	The open reading frame of this TrueClone was fully sequenced and found to differ from the protein associated to this reference by a single amino acid.
<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_015112.1, NP_055927.1</u>
<b>RefSeq Size:</b>	5737 bp
<b>RefSeq ORF:</b>	5205 bp
<b>Locus ID:</b>	23139
<b>UniProt ID:</b>	<u>Q6P0Q8</u>
<b>Cytogenetics:</b>	1p34.1

**Protein Families:** Druggable Genome, Protein Kinase

**Gene Summary:** Appears to link the dystrophin/utrophin network with microtubule filaments via the syntrophins. Phosphorylation of DMD or UTRN may modulate their affinities for associated proteins. Functions in a multi-protein complex in spermatid maturation. Regulates lipopolysaccharide-induced IL-12 synthesis in macrophages by forming a complex with TRAF6, resulting in the inhibition of TRAF6 NF-kappa-B activation (By similarity). [UniProtKB/Swiss-Prot Function]