

Product datasheet for **SC329196**

MASTL (NM_001172303) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MASTL (NM_001172303) Human Untagged Clone
Tag:	Tag Free
Symbol:	MASTL
Synonyms:	GREATWALL; GW; GWL; MAST-L; THC2
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >NCBI ORF sequence for NM_001172303, the custom clone sequence may differ by one or more nucleotides

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ATGGATCCACC CGGGAAGCAAGAAGGAGCCTGGAGGAGGCGCGGCGACTGAGGAGGGC
GTGAATAGGATCGCAGTGCCAAAACCGCCCTCCATTGAGGAATTCAGCATAGTGAAGCCC
ATTAGCCGGGCGCCTTCGGGAAAGTGTATCTGGGGCAGAAAGCGGCAAATGTATGCA
GTAAAGGTTGTTAAAAAGCAGACATGATCAACAAAAATGACTCATCAGGTCCAAGCT
GAGAGAGATGCACTGGCACTAAGCAAAAAGCCATTCCATTGTCCATTGTATTATTTCACTG
CAGTCTGCAACAATGTCTACTTGGTAATGGAATATCTTATTGGGGAGATGTCAAGTCT
CTCCTACATATATATGTTATTTTGGATGAAGAGATGGCTGTGAAATATATTTCTGAAGTA
GCACTGGCTCTAGACTACCTTCACAGACATGGAATCATCCACAGGGACTTGAAACCGGAC
AATATGCTTATTTCTAATGAGGGTCATATTAACACTGACGGATTTTGGCCTTTCAAAGTT
ACTTTGAATAGAGATATTAATATGATGGATATCCTTACAACACCATCAATGGCAAAACCT
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AACACACCAATTGCAGAAAAAATCAAGACCCTGCAAACATCCTTTCAGCCTGTCTGTCT
GAAACATCACAGCTTTCTCAAGGACTCGTATGCCCTATGTCTGTAGATCAAAGGACACT
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ATGCCTGTGAAGTGTCTAACTTCTAATTTACTCCAGTCTAGGAAAAGGCTGGCCACATCC
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AAAGGTGTGAGAACCTGCTGTACAAGAGAGTAACCAAAAAATGTTAGGTCTCCTTTG
GAGGTGCTGAAAACGTTAGCCTCTAAAAGAAATGCTGTTGCTTTTCGAAGTTTTAACAGT
CATATTAATGCATCCAATAACTCAGAACCATCCAGAATGAACATGACTTCTTTAGATGCA
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AGAAGATCCTGTATGCCACATCAGCAGACCCCAATCAGATCAAGTCGGGAACCTCATAC
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GAAGAAAAGTTATCTGATAATGCTCAAAGTGCAGTAGAAATACTTTTAACCATTGATGAT
ACAAAGAGAGCTGGAATGAAAGAGCTAAAACGTATCCTCTCTTTCAGTGTGTTGACTGG
GAAAATCTGCAGCATCAGACTATGCCTTTCATCCCCAGCCAGATGATGAAACAGATACC
TCCTATTTTGAAGCCAGGAATACTGCTCAGCACCTGACTGTATCTGGATTTAGTCTGTAG

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Restriction Sites: Please inquire
ACCN: NM_001172303

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).
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_001172303.1</u> , <u>NP_001165774.1</u>
RefSeq Size:	3626 bp
RefSeq ORF:	2640 bp
Locus ID:	84930
UniProt ID:	<u>Q96GX5</u>
Cytogenetics:	10p12.1
Protein Families:	Druggable Genome, Protein Kinase
Gene Summary:	<p>This gene encodes a microtubule-associated serine/threonine kinase. Mutations at this locus have been associated with autosomal dominant thrombocytopenia, also known as thrombocytopenia-2. Alternatively spliced transcript variants have been described for this locus. [provided by RefSeq, Feb 2010]</p> <p>Transcript Variant: This variant (1) represents the longest transcript and encodes isoform 1.</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>