

Product datasheet for **RC403509**

MASTL (NM_032844) Human Mutant ORF Clone

Product data:

Product Type:	Mutant ORF Clones
Product Name:	MASTL (NM_032844) Human Mutant ORF Clone
Mutation Description:	E167D
Affected Codon#:	167
Affected NT#:	501
Nucleotide Mutation:	MASTL Mutant (E167D), Myc-DDK-tagged ORF clone of Homo sapiens microtubule associated serine/threonine kinase-like (MASTL), transcript variant 2 as transfection-ready DNA
Effect:	Thrombolytic
Symbol:	MASTL
Synonyms:	GREATWALL; GW; GWL; MAST-L; THC2
E. coli Selection:	Kanamycin (25 ug/mL)
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
Tag:	Myc-DDK
ACCN:	NM_032844
ORF Size:	2634 bp
Restriction Sites:	SgfI-MluI



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ORF Nucleotide Sequence:

>RC403509 representing NM_032844
 Red=Cloning site Blue=ORF Green=Tags(s)

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 GCC**CGGATCGCC**

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Protein Sequence: >RC403509 representing NM_032844
 Red=Cloning site Green=Tags(s)

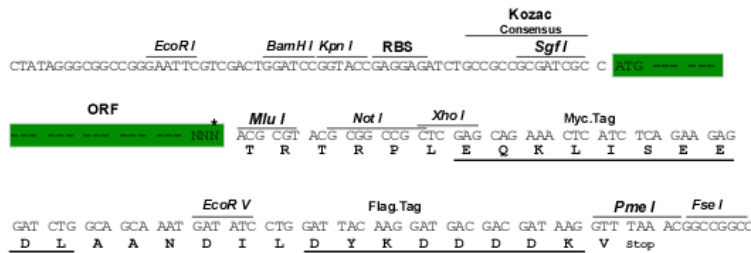
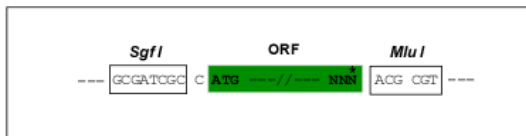
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SGPTRRRLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



* The last codon before the Stop codon of the ORF

OTI Disclaimer:	<p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info</p>
OTI Annotation:	<p>This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.</p>
Components:	<p>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).</p>
RefSeq:	<p>NP_116233</p>
RefSeq Size:	<p>2634 bp</p>
RefSeq ORF:	<p>2637 bp</p>
Locus ID:	<p>84930</p>
Cytogenetics:	<p>10p12.1</p>
Domains:	<p>pkinase, TyrKc, S_TKc</p>
Protein Families:	<p>Druggable Genome, Protein Kinase</p>
MW:	<p>96.6 kDa</p>
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>