

Product datasheet for **SC319866**

MAST4 (NM_198828) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MAST4 (NM_198828) Human Untagged Clone
Tag:	Tag Free
Symbol:	MAST4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	<p>>OriGene sequence for NM_198828.1</p> <pre>GCAGCGCGGGAGCACAGTGGAGCGCAGATCGCGGACCCGAGCGGGCATGTCCCCGCGCC GGGAGCCTCCGTTTTCGCGCCGGGCCCGGGCGGCTGTGAACCTAGCAGCGGGCTCCTGCGG CCCCGTCACCTGCCATGTAGTCGCTGGCGGGGCTCCCTGCAGCCCGGAGCGGCAGTGCCA GTGAGCCTGAGCCAGGAGCCCGCTTCCCCGGGAGGCGCTGAGTGCCGCGCCGCGCC CCGCGCTCGGGAGGCACTTTGGGCCAGACAGGAAATGGGGGAGAAAGTTTCGGAGGCG CCAGAGCCGGTGCCCCGCGGCTGCAGTGGCCACGGCAGCCGGACTCCAGCCTCTGCGCTG GTCGCCGCTCCTCTCCGGGTGCTTCTCGGCCGAGTCTCCTCGGGCTCAGAACTCTG TCGGAGGAAGGGGAGCCCGCGGCTTCCAGAGAGCATCAGCCGCCGCCGCCCGCCGCG TTGGGAGGCACCCTGGGCGCCCGGGCGCCCGCGCTGGGCTCCGGCAAGCGTGTGCTG GAGCGCGGAGTCTTTCGCTGCCCAGCCCGCTTCCCGGAGGAGCTGTGCCGCCCGCGCC CGGGGCAGCAGCGCTCCAGGAGGAGCAGGACGAGGAGCTTGACCACATATTATCCCT CCACCCATGCCGTTTCGAAATGCAGCAACCCAGATGTGGCTTCTGGCCCTGAAAATCA CTGAAGTATAAAAGACAGCTGAGTGAGGATGGAAGACAGCTAAGGCGAGGGAGCCTGGGA GGAGCCCTGACTGGGAGGTACCTTCTTCAAACCCGGTGGCGGGACAGGCCTGGCCGGCC TCTGCAGAGACGTCCAACCTCGTGCGCATGCGCAGCCAGGCCCTGGGCCAGTCGGCGCC TCGCTCACCGCCAGCCTGAAGGAGCTGAGTCTCCCAGAAGAGGAAGTTTGATAGATTCC CAGAAGTGAATTGCTTGGTCAAACGCCCTGTGTGTCAAATGCTGGGAGAACATCACCC CTTGATGAATTGCCACCACATTAATAAAACATATCCAAAGCTCAAAAAAAAAAAAAA AAAAAAAAAAAAAAAAAAAAAAAAAAAA</pre>
Restriction Sites:	Please inquire
ACCN:	NM_198828
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).



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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:	NM_198828.1 , NP_942123.1
RefSeq Size:	1105 bp
RefSeq ORF:	753 bp
Locus ID:	375449
UniProt ID:	O15021
Cytogenetics:	5q12.3
Protein Families:	Druggable Genome, Protein Kinase
Gene Summary:	<p>This gene encodes a member of the microtubule-associated serine/threonine protein kinases. The proteins in this family contain a domain that gives the kinase the ability to determine its own scaffold to control the effects of their kinase activities. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Mar 2014]</p> <p>Transcript Variant: This variant (2) uses a distinct 3' coding region and 3' UTR, compared to variant 3. The resulting isoform (b) has a substantially shorter and distinct C-terminus, compared to isoform c.</p>