

Product datasheet for **SC122537**

MAST205 (MAST2) (BC015816) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MAST205 (MAST2) (BC015816) Human Untagged Clone
Tag:	Tag Free
Symbol:	MAST205
Synonyms:	FLJ39200; KIAA0807; MAST205; microtubule associated serine/threonine kinase 2; microtubule associated testis specific serine/threonine protein kinase; MTSSK; OTTHUMP00000009697; OTTHUMP00000046616; RP4-533D7.1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene sequence for BC015816 edited

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GGCACGAGGGAGCGTACCAGATGAGGAAGGACGGCAGTCCCCAGCCATGCGGCCTCGCTC
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AAAAAA

5' Read Nucleotide Sequence:	>OriGene 5' read for BC015816 unedited CCGGATTTGTTTNNGTAAACGACTACTATAGGCGGCCGCGNAATTCGCACGAGGGCAGCG TACCAGCATGAGAAGGACGGCAGTCCCCAGCCATGCGGCCTCGCTCCCGGAGCCTCAGTC CCGGACGATCCCCAGTATCCTTTGACAGTGAAATAATAATGATGAATCATGTTTACAAAG AAAGATCCCAAAGGCTCATGAGCGCTCAGAGAGCTCAGAAGTGGCTTTTGTGATGCAGC TGGTGA AAAAGCTGATGATTATCATTGCCCGCCAGCACGTCTCCTGGAATGCCTGGAGT TTGACCCTGAAGAGTTCTACCACCTTTTGAAGCAGCTGAGGGCCACGCCAAAGAGGGAC AAGGGATTA AATGTGACATTC CCGCTACATCGTTAGCCAGCTGGGCCTCACCCGGGATC CCCTAGAAGAAATGGCCAGTTGAGCAGCTGTGACAGTCTGACACTCCAGAGACAGATG ATTCTATTGAGGGCCATGGGGCATCTCTGCCATCTAAAAAGACACCCTCTGAAGAGGACT TCGAGACCATTAAGCTCATCAGCAATGGCGCCTATGGGGCTGTATTTCTGGTGCGGCACA AGTCCACCCGGCAGCGCTTTGCCATGAAGAAGATCAACAAGCAGAACCTGATCCTACGGA ACCAGATCCAGCAGGCCTTCGTGGAGCGTGACATACTGACTTTTCGCTGAGACCCCTTTGT GGTGAGCATGTTCTGCTCTTTGATACCAAGCGCCACTTGTGCATGGTGTGAGTACGT TGAAGGGGGAGACTGTGCCACTCTGCTGAAGAATATTGNGGCCCTGCCTGTGGACATGGT GGGTCTATACTTTGCGNAACTGNTGCTGCCCTGNAGTACTTACACACTATGGCATCGTG CACCGTGACCTCAGCCCTGACACTA
Restriction Sites:	Please inquire
ACCN:	BC015816
Insert Size:	4600 bp
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).
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:	BC015816.1 , AAH15816.1
RefSeq Size:	4087 bp
Locus ID:	23139
Cytogenetics:	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]