

Product datasheet for **RG209492**

MAST205 (MAST2) (NM_015112) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MAST205 (MAST2) (NM_015112) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	MAST205
Synonyms:	MAST205; MTSSK
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG209492 representing NM_015112 Red=Cloning site Blue=ORF Green=Tags(s)

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GCC**CGATCGC**C

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GGGCAGCGGAGCTGTCTCAGTCTTTGCCCGCGCCGGCAGCGCCGCCGGGAGGCAGCGGCTGGAGGA
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GATGATTCTATTGAGGGCCATGGGGCATCTCTGCCATCTAAAAAGACACCCTCTGAAGAGGACTTCGAGA
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 GCCAAGAACCAGGGGGCCATCAAAGCATCGGGATTTGGCATTGGTTCCAGATGAGCTTTAAAGCAAAC
 A

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG209492 representing NM_015112
 Red=Cloning site Green=Tags(s)

MKRSRCRDRPQPPPPDRREDGVQRAAELSQSLPPRRRAPPGRQRLEERTGPAGPEGKEQDVVTGVSPLLF
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 NLQDLENTTPAQPKNLSPREQKTQPPSAPRLAHP SYEDPSQGWLWESECAQAVKEDPAL SITQVPDASG
 DRRQDVP CRGCLTQKSEPSLRGQEPGGHQKHRDLALVPDELLKQT

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_015112

ORF Size: 5391 bp

OTI Disclaimer: 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](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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:

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_015112.2](#), [NP_055927.2](#)

RefSeq Size: 5756 bp

RefSeq ORF: 5397 bp

Locus ID: 23139

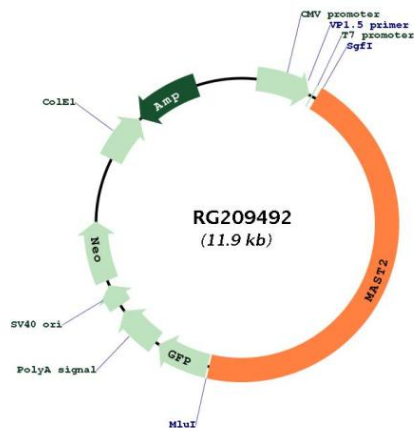
UniProt ID: [Q6P0Q8](#)

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]

Product images:



Circular map for RG209492