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Product datasheet for MR218871

Mast2 (NM_001042743) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Mast2 (NM_001042743) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Mast2
Synonyms:	MAST205; Mtssk
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence:

>MR218871 representing NM_001042743
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
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GACAGTCCAGATACTCCAGAGACAGATGATTCAGTTGAGGGTCGTGGGGTATCTCAGCCATCTCAGAAGA
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Protein Sequence:

>MR218871 representing NM_001042743
Red=Cloning site Green=Tags(s)

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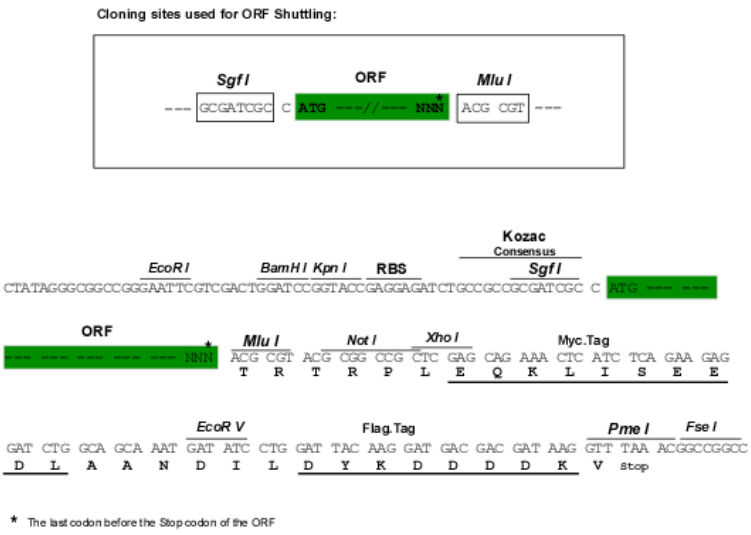
Chromatograms: https://cdn.origene.com/chromatograms/mm9008_g04.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001042743

ORF Size: 5400 bp

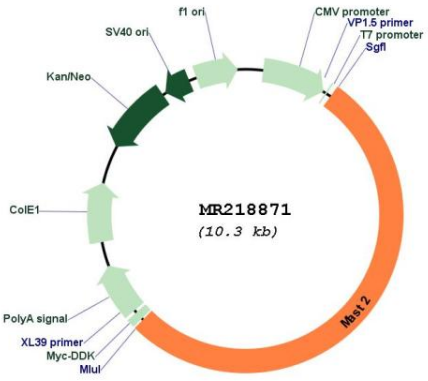
OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially 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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	NM_001042743.2, NP_001036208.1
RefSeq Size:	5747 bp
RefSeq ORF:	5403 bp
Locus ID:	17776
UniProt ID:	Q60592
Cytogenetics:	4 D1
MW:	198.5 kDa
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.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR218871