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Product datasheet for RG220089

RBPMS (NM_006867) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RBPMS (NM_006867) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	RBPMS
Synonyms:	HERMES
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence:

>RG220089 representing NM_006867
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGAACAACGGCGGCAAAGCCGAGAAGGAGAACACCCCGAGCGAGGCCAACCTTCAGGAGGAGGAGGTCC
GGACCCTATTTGTCAGTGGCCTTCCTCTGGATATCAAACCTCGGGAGCTCTATCTGCTTTTCAGACCATT
TAAGGGCTATGAGGGTTCTCTTATAAAGCTCACATCTAAACAGCCTGTAGGTTTTGTCAGTTTTGACAGT
CGCTCAGAAGCAGAGGCTGCAAAGAATGCTTTGAATGGCATCCGCTTCGATCCTGAAATTCCGCAAACAC
TACGACTAGAGTTTGCTAAGGCAAACACGAAGATGGCCAAGAACAAACTCGTAGGGACTCCAAACCCCAG
TACTCCTCTGCCCAACACTGTACCTCAGTTCATTGCCAGAGAGCCATATGAGCTCACAGTGCCTGCACTT
TACCCCAGTAGCCCTGAAGTGTGGGCCCCGTACCCTCTGTACCCAGCGGAGTTAGCGCCTGCTCTACCTC
CTCCTGCTTTCACCTATCCCGCTTCACTGCATGCCCAGATGCGCTGGCTCCCTCCCTCCGAGGCTACTTC
TCAGGGCTGGAAGTCCCGTCAGTTCTGC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG220089 representing NM_006867
Red=Cloning site Green=Tags(s)

MNNGGKAEKENTPSEANLQEEEVRTLFVSGLPLDIKPRELYLLFRPFKGYEGSLIKLTSKQPVGFVSFDS
RSEAEAAKNALNGIRFDPEIPQTLRLEFAKANTKMAKNKLVGTPNPSTPLPNTVPQFIAREPYELTVPAL
YPSSPEVWAPYPLYPAELAPALPPPAFTYPASLHAQMRWLPPSEATSQGWKSRQFC

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

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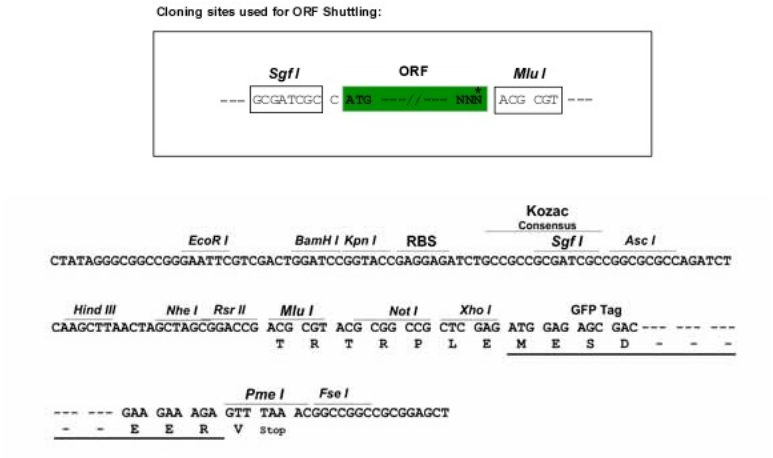
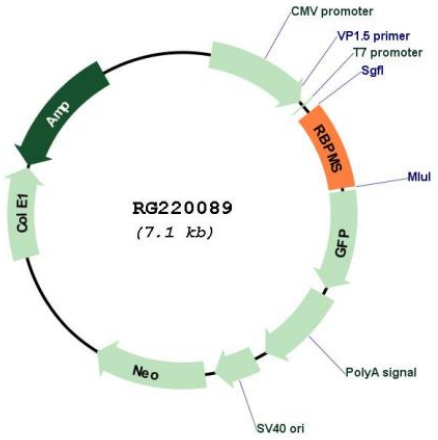
Cloning Scheme:



Plasmid Map:



ACCN:	NM_006867
ORF Size:	588 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).

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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_006867.4
RefSeq Size:	3154 bp
RefSeq ORF:	591 bp
Locus ID:	11030
UniProt ID:	Q93062
Cytogenetics:	8p12
Domains:	RRM
Protein Families:	Stem cell - Pluripotency
Gene Summary:	This gene encodes a member of the RNA recognition motif family of RNA-binding proteins. The RNA recognition motif is between 80-100 amino acids in length and family members contain one to four copies of the motif. The RNA recognition motif consists of two short stretches of conserved sequence, as well as a few highly conserved hydrophobic residues. The encoded protein has a single, putative RNA recognition motif in its N-terminus. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Jun 2013]

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