

Product datasheet for **RR203502**

Grm7 (NM_031040) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Grm7 (NM_031040) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Grm7
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide
Sequence:**

>RR203502 representing NM_031040
 Red=Cloning site Blue=ORF Green=Tags(s)

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Protein Sequence: >RR203502 representing NM_031040
 Red=Cloning site Green=Tags(s)

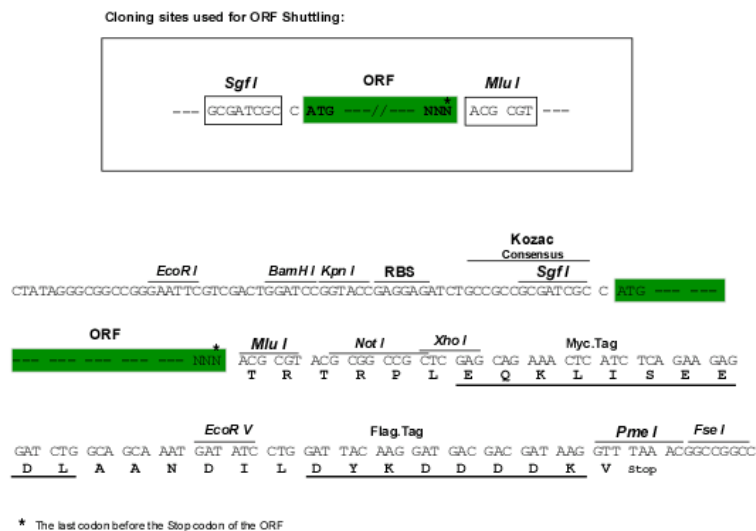
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Restriction Sites:

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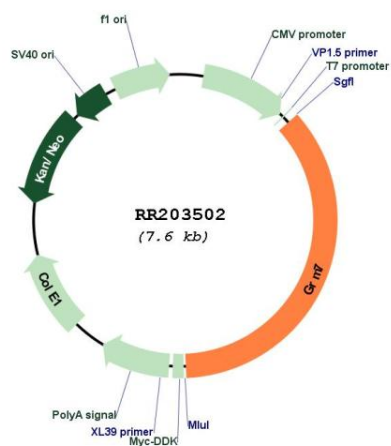
Cloning Scheme:



ACCN: NM_031040

ORF Size:	2745 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_031040.1 , NP_112302.1
RefSeq Size:	3417 bp
RefSeq ORF:	2748 bp
Locus ID:	81672
UniProt ID:	P35400
Cytogenetics:	4q41
MW:	102.2 kDa
Gene Summary:	G-protein coupled receptor that inhibits glutamate release; acts via cAMP inhibitory and Ca ²⁺ channel inhibitory pathways [RGD, Feb 2006]

Product images:



Circular map for RR203502