

Product datasheet for **RR202122**

Grap (NM_001025749) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Grap (NM_001025749) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Grap
Synonyms: MGC112733
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR202122 representing NM_001025749
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAGTCCGTGGCCCTCTACAACCTCCAGGCCACCGAGAGTGATGAGCTGGCCTCAACAAGGGGGACA
CGCTTAAGATCCTAAACATGGACGATGATCAGAATTGGTACAAGGCCGAGCTCCGAGGAGCCGAGGGTTT
TGTTCCCAAGAACTACATCCGTGTAAGCCACACCCGTGTTACTCAGGCAGGATTTCCCGACAGCTGGCT
GAAGAGACTCTGATGAAACGCAACCACCTAGGAGCCTTCCTGATCCGGGAAAGCGAGAGTTCCTCCCTGGCG
AGTTCTCAGTTTCTGTGAACTATGGCGACCAGGTGCAGCACTTCAAAGTGCTTCGAGAGGCCTCGGGGAA
GTACTTCTGTGGGAGGAGAAGTTCAACTCCCTCAACGAGCTGGTTGACTTCTACCGAACCACCACCATC
GCTAAGAGGCGGCAGATCTTCTGTGTGATGAGCAGCCGCTGATCAAGCCGCCCGGGCTTGCTTTGCC
AGGCTCAGTTTGACTTCTCGGCACAGGACCCATCTCAGCTCAGCCTCCGCCGAGGTGACATTGTCGAAAT
TGTGGAGTGTGAGGACCCACACTGGTGGCGGGCCGGGCAGGCCGGCGCCTGGGCTTCTCCACGGAGC
TATGTGCAACCGGTACACTTGTATGTGCAACCGGTACACTTG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR202122 representing NM_001025749
 Red=Cloning site Green=Tags(s)

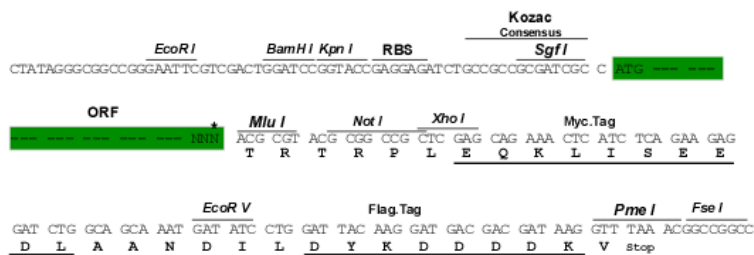
MESVALYNFQATESDELAFNKGDTLKILNMDDDQNWYKAELRGAEGFVPKNYIRVKPHPWYSGRISRQLA
 EETLMKRNLGAFLIRESSESPGEFSVSVNYGDQVQHFVLRASGKYFLWEEKFNSLNELVDFYRTTTI
 AKRRQIFLCDEQPLIKPPRACFAQAQDFDFAQDPSSLRRGDIVEIVEDPHWWRGRAGGRLGFFPRS
 YVQPVHLYVQPVHL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI

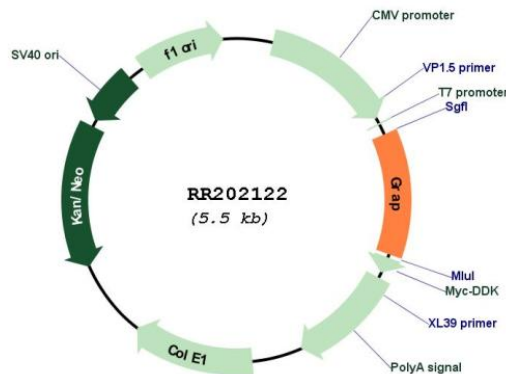
Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

Plasmid Map:



ACCN: NM_001025749

ORF Size: 651 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:	<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 Size:	1560 bp
RefSeq ORF:	654 bp
Locus ID:	363616
Cytogenetics:	10q22
MW:	25.3 kDa