

Product datasheet for **RR210767**

Gimap8 (NM_001033923) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gimap8 (NM_001033923) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Gimap8
Synonyms:	IanT
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide
Sequence:**

>RR210767 representing NM_001033923
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGCGACTTCATCCACCAAGGAGCAGCAGCAGGAAGTCAGATGGAGCACAGACTCTGTGAAACATCAA
 TAGGACAGGGGAAAGACCAAGAGCCAGTCGGGGCCAGGAGAGCAACTTCAAGCAGAGCCAGGGAACATC
 CACACTACGGCTCCTCCTGCTAGGGAACAGGGAGCAGGCAAAAGCGCCACAGGAAACACCATTCCTGGGC
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 GGTCACTCTACAGAGGAGGACAAGAAGACCATTGAGGGTATCCAGGGTGTGTTTGGCCCTCAAGCCTACA
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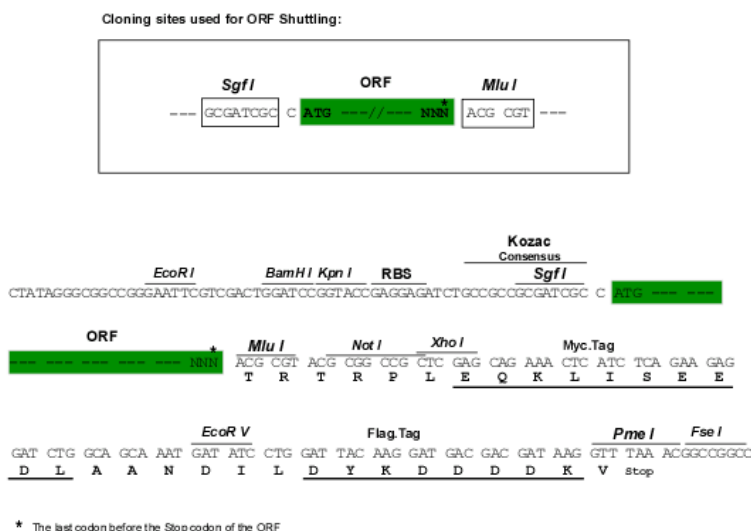
Protein Sequence: >RR210767 representing NM_001033923
Red=Cloning site Green=Tags(s)

MATSSHQGAAGSQMEHRLCETSIGQGERPRASRGQESNFKSQSGTSTLRLLLLGKQGAGKSATGNTILG
 KAVFESRFSHHMVTKRCQSESVSVRGKQVIVIDTPDLFSSLGCEVQQQNLRQCLDLLADPYVLLLVTPI
 GHSTEEDKKTIEGIQGVFGPQAYRHMIIVFTREDELGEDTLQNHIESKKYLKKLIENIGSQRCCAFNNKA
 DKKQQELQVSQFLDAIEFLMMESPPTYFEPLKTENSGVGCGTGVTYKGDNLGSKKRQPQITGPGWDRD
 TPRLRVLLMGKRGVGKSAAGNSILGKQVFKTQFSEKQRVTEAFASHSRLWNQKKFLIIDSP EISSWKLDE
 SDVKEHTFPGPHAFLLVTPLGSSLKSGDSVFSIIKRIFGEKFIKFTIILFTRKEDFEGQDLDTFTKENDA
 LCNLIQIFEGRYAVFNRYRATVEEEQSQVGKLLSQIESVVQHNNKPCVIREKELLNIIILGRSGVGKSA
 GNTILGRPAFVSQLRAQPVTSRSQSGRRITLDWDQIVVVDTPSLNQMSGTEKNPAQLKKEIKQCLLQNCCE
 GMKV FVLVFQLGRFTQEDEAVVEQLEASFEENIMKYMIVLFTRKEDLDGDLYDFTNNTKNKVLKRIFKK
 CKGRVCAFNKKTGEDOETOVKALLTIANDLKRSYDEHSTSWMDOLKSAVGQITTVFK

TRTRPLEOKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI

Cloning Scheme:



ACCN: NM 001033923

ORF Size: 2064 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_001033923.1](#), [NP_001029095.1](#)

RefSeq Size: 3162 bp

RefSeq ORF: 2067 bp

Locus ID: 500112

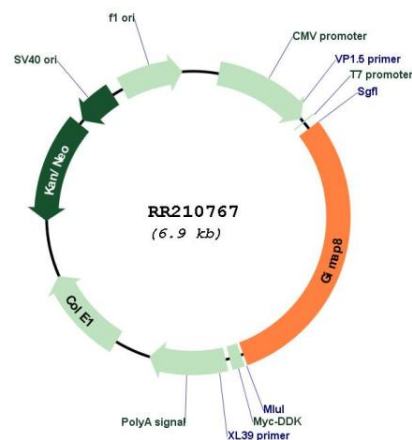
UniProt ID: [Q4KLG2](#)

Cytogenetics: 4q24

MW: 77.1 kDa

Gene Summary: Exerts an anti-apoptotic effect in the immune system and is involved in responses to infections.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RR210767