

Product datasheet for **MR227071**

Gga3 (NM_173048) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gga3 (NM_173048) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Gga3
Synonyms:	C230037M19Rik; mKIAA0154
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR227071 representing NM_173048
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCGGAGGCGGAAGGGGAGAGCTGGAGTCCTGGCTGAATAAAGCTACCAATCCTTCCAACCGCCAGG
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 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR227071 representing NM_173048
 Red=Cloning site Green=Tags(s)

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MAEAEGESLESWLNKATNPSNRQEDWEYIIGFCDQINKELEGPQIAVRLLAHKIQSPQEWAVQALTVLE
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QASDNLNRVINSYKTIIEGQIVNGEVTTSTMPDSEGNHCGNQGALIDLAELDAPSNSSPALAPPTSGIP
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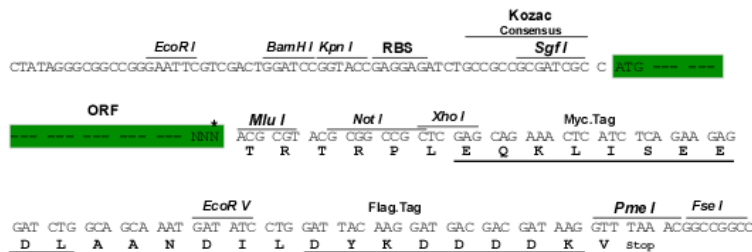
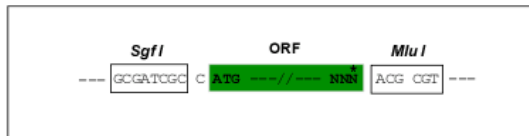
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9048_f04.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

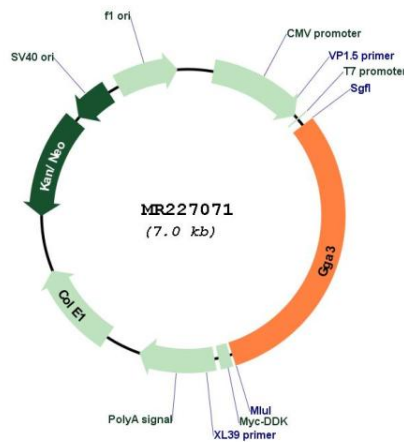
ACCN: NM_173048

ORF Size: 2154 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:	<u>NM_173048.3, NP_766636.2</u>
RefSeq Size:	3671 bp
RefSeq ORF:	2157 bp
Locus ID:	260302
UniProt ID:	<u>Q8BMI3</u>
Cytogenetics:	11 E2
MW:	78.4 kDa
Gene Summary:	Plays a role in protein sorting and trafficking between the trans-Golgi network (TGN) and endosomes. Mediates the ARF-dependent recruitment of clathrin to the TGN and binds ubiquitinated proteins and membrane cargo molecules with a cytosolic acidic cluster-dileucine (DXXLL) motif (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:


Circular map for MR227071