

Product datasheet for **MR230764**

Gga3 (NM_001252067) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gga3 (NM_001252067) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Gga3
Synonyms:	C230037M19Rik; mKIAA0154
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide
Sequence:

>MR230764 representing NM_001252067
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCGGAGGCGGAAGGGGAGAGCTGGAGTCTGGCTGAATAAAGCTACCAATCCTTCCAACGCCAGG
AAGACTGGGAATATATCATTGGTTTCTGTGATCAGATCAACAAAGAGCTTGAAGGGCCCCAGATTGCTGT
GCGACTCTGGCCACAAGATCCAGTCTCCACAGGAATGGGAGGCAAGTGCAGGCCCTCACGGTGGTGGAG
GCGTGTATGAAGAACTGTGGCAGGAGACTTCATAATGAAGTGGGAAGTCCGGTTTTTGAATGAATTAA
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GCTTTTTAGCTGGACTGGCCTTGCCGGAAGAAGCAAAGATCAAAGATGCCTACCATATGTTGAAGAGA
CAAGGCATAGTGCAGTCGGACCCCCCATCCCCATGGATAGAACGCTGATCCCCTCTCCCCACCTCGGC
CCAAAAACCCCGTTTTTGTATGATGAGGAGAAATCCAAGCTTTAGCCAGGCTGCTGAAGAGCAAGAACC
AGATGACCTGCAAGAGGCCAACAGACTCATCAAGTCCATGGTGAAGGAAGATGAGGCTCGCATCCAGAAA
GTGACCAAGCGTCTACACACACTGGAGGAGGTTAACAACAATGTCAAGCTGCTCCACGAGATGCTGCTTC
ACTACAGCCAAGAGTACTCGTCAGACGCCGACAAGGAGCTCATGAAGGAGCTCTTTGATCGTTGTGAGAA
TAAGAGGCGGACGCTGTTTAAACTAGCCAGCGAGACAGAGGACAATGACAACAGTTTGGGGGACATCCTG
CAGGCCAGTGACAACCTGTCCAGGGTCACTCAACTTTACAAAATATTATTGAAGGGCAGATCGTCAATG
GTGAGGTGACCACCTCAACCATGCCTGACTCTGAAGGCCCTTACTGACCCCGCCCCACTGCTCCAAAGA
GTCACCTGGAAGTAGTCAGTGGCACCTGTTCCAGAATGAACCACCATCAGATCTGGACTTCTTCACTCCC
AGGCCAGTGCTGCGGCCTCTGCCCTCAGATGGACCCAGCTCCCTCCCCAGTTTCTACCTCAAGTA
TGTCCCAAGCTCCACTGCCTGCTGCCTTCCCAGTCTGTGGTCCCAGCCAGTGCACCAACCCACAGCAC
TGGCTCCTTCATGTTCTTCTTGACCTGCCCCAGCCTTGGCTCCAAGGCTGAGCCCAAAGGTCCAGAA
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TTCCCGTGACAGCCTATGATAAAAATGGCTTCCGCATCCTTTTCCACTTGTCTAAGGAGTGTCCGCCAGG
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CTGACGGCTGCAGTGCCCAAGTCAATGAAAGTGAAGTTGCAGCCACCCTCTGGGACAGAAGTTTCCCAT
TTAGTCTATCCAGCCACCTGCAGCCATCACCCAGGTCATGCTGCTGGCCAATCCAATGAAGGAAAAGGT
GCGGCTTCGATATAAACTGACCTTTGCTTTGGGGGAGCAGCTGAGCACAGAAGTGGGTGAAGTGGACCAG
TTTCTCTGTGGAGCAGTGGGGAACTA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR230764 representing NM_001252067
 Red=Cloning site Green=Tags(s)

MAEAEGESLESWLNKATNPSNRQEDWEYIIGFCDQINKELEGPQIAVRLLAHKIQSPQEWAVQALTVLE
 ACMKNCGRRLHNEVGKFRFLNELIKVVSPKYLGDRVSEKVKTKVIELLSWTALPEEAKIKDAYHMLKR
 QGIVQSDPPIPMDRTLIPSPPPRPKNPVFDDEEKSKLLARLLKSKNPDDLQEANRLIKSMVKEDEARIQK
 VTKRLHTLEEVENNVKLLHEMLLHYSQEYSSADKELMKELFDRCENKRRTLFKLASETEDDNDNSLGDIL
 QASDNL SRVINSYKTIIEGQIVNGEVTTSTMPDSEGLTDPAPTAPKESPGSSQWHLFQNEPPSDLDFSP
 RPVPAASCPDGPQLPPPVSTSSMSQAPLPAAFPAPVVPASAPTHSTGSMFSSGPAPALAPKAEPKGPE
 YPSSSTSHRLDALDQLLEEAKVTSGLVKPVSCFSPGPTASPLLPASAPARLLPFSTGPGSPLFQSQGSP
 QKGPESLASVHVPLESIKPSALPVTAYDKNGFRILFHFAKECPPGRPDVLVVVVSMNTAPLPVKSIV
 LQAAVPKSMKVKLQPPSGTELSPFSPIQPPAAITQVMLLANPMKEKVRRLRYKLTALGEQLSTELGEVDQ
 FPPVEQWGNL

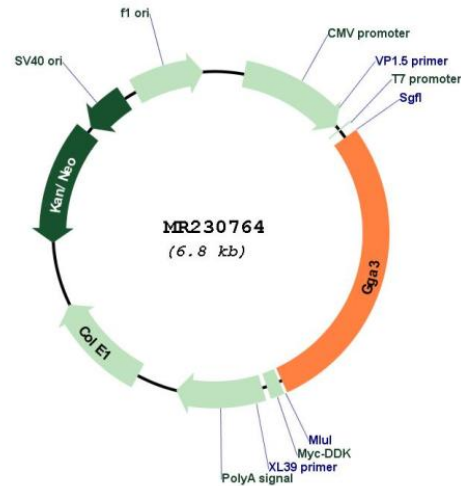
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:


ACCN: NM_001252067

ORF Size: 1920 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_001252067.1](#), [NP_001238996.1](#)

RefSeq Size: 3469 bp

RefSeq ORF: 1923 bp

Locus ID: 260302

Cytogenetics: 11 E2

MW: 70.6 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]