

Product datasheet for **MG216095**

Ganc (NM_172672) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ganc (NM_172672) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Ganc
Synonyms:	5830445O15Rik; 9330160A12; mFLJ00088
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG216095 representing NM_172672
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGAAGCAGCTGAGAAAGAGGAAATCAGTGTTGAAGATGAAGCAGTGGATAAACTATTTTCAAAGACT
 GTGGCAAGATTGCATTCTACAGGCGGCAGAAACAGCAGCTCACCAAGACTACCACCTACCAGGCTTTGCT
 AGGCTCAGTCGACACAGAACAGGACAGCACCAGGTTCCAATCATCAGTGAAGCAACTAAGATTCCTCTC
 GTGGCTGAAGTTTATGGTATAGAGAAAGACATTTTCAGACTTAAGATCAATGAAGAGACTCCACTGAAAC
 CAAGGTATGAAGTTCCTGACGTCAACAGCAAGCTAGGAACTGTCAGGCTGGTCTGCTCAGGGGACAC
 AGGCAGCCTAATACTGACAAATAGAAAAGGAGATCTGAAATGTCACGTCTCAGCAAACCCATTCAAGATC
 GATTTGCTGTGGAAGACGAGGCTGTGATCAGCATCAACTCCCTGGGCCAGTTTACTTTGAGCACCTAC
 AGGTTCTCACAAGCAGAGACTACCAAAGGAAATGGGCAAAATACACCAGCTGCCACCTCTCAGGAAAA
 TCAAGAGGACCTGGGCCGTGGGAAGAAAAATTTGAAAAATTTGTGGATGTCAAAGCTAATGGCCCTTCC
 TCTGTTGGTTTGGATTTCTCTTTCATGGATTTGAACATCTCTATGGTATTCCTCAACATGCAGAGTCAC
 ATCAACTTAAAAATACCAGAGATGGAGATGCATACCGTCTTTATAATCTGGACGTCTATGGATACCAAGT
 GCATGACAAAAATGGGCATATATGGTTTCACTGCCTTATCTCTGGCCACAAAACAGGGCAGGACTGTAGGC
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 CCCAGATGGGCCAGCAGCTGCCAAACAAAAGGTCAAGTGGCCAACTGATGTGCACTGGATGTGAGAGAG
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 ACAGGCACACAAGCCATGCCCTCTTTTTCTTGGGTACCACCAGTGTGCTGGAATCATGAAGATG
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 CATAGAGCACACGAGGACAAGAAGTACTTACCTGGGACAAAAAGAGATTTGCAAACCCCAAAAGGATG
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 GGAAGGAGAGGCCCTTTGTTCTTTCACGTTCTTCTTTGCCGGATCACAAAAGTATGGTGCAGTGTGGA
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 GGGAACTCCTTCTGTGGAGCTGATGTGGTGGCTTCAATGGCAATCCTGAGGCAGAGCTGCTTGTGCGT
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 CTATCTGTATTCTCTGTTCTACACACGACGCTGCTTCTCAGCCGTCATGAGGCCTCTGTGGTTCGAA
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 ATATTGTGCCAAACATCTGCCCTGCGTCTGGAGAAGCTGTCTCTGCGCATTGGTGGAGACTGGGAAGTC
 CGTGTGGGC

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence: >MG216095 representing NM_172672
Red=Cloning site Green=Tags(s)

MEAAEKKEEISVEDEAVDKTIFKDCGKIAFYRRQKQQLTKTTTTYQALLGSVDTEQDSTRFQIISEATKIPL
 VAEVYIEKIDIFRLKINEETPLKPRYEPDVI NSKLGTVRLVCSGDTGSLIL TNRKGD LKCHV SANPFKI
 DLLSKNEAVISINSLGQLYFEHLQVPHKQRATKNGNQNTPAATSQENQEDLGLWEEKFGKFVDVKANGPS
 SVGLDFSLHGFEHL YGIPQHAESHQLKNTRDGDAYRLYNLDVYGYQVHDKMGIYGSVPYLLAHKQGR TVG
 IFWLNASETLVEINTEPAVEYTLTQMGPAAAKQKVR CRTDVHWMSESGIIDVFLLTGPTPADVFKQYSYI
 TGTQAMPPLFSLGYHQCRWNYEDEQDVKAVDAGFDEHDIPYDVMWLDIEHTEDKKYFTWDKKRFANPKRM
 QELLRSKRRKLVVISDPHIKVDPDYTVYAQAQEQGFFVKNPEGGDFEGVCWPGLSSYLDFTNPKVREWYS
 SLFAFPVYQGSTDILFLWDMNEPSVFRGPEL TMHKS AVHYGDWEHRELHNIYGFYQQMATAEGLIQRSK
 GKERPVLRSFFAGSQYGA VWTGDNKAESYLKISIPMLLTL SVSGISFCGADVGGFIGNPEAELLVR
 WYQAGAYQPFRRGHATMNTKRREPWLFGE EYTLIREAIRQRYALLPYLYSLFYHHTVSSQPVMRPLWVE
 YPDDLETF AVEDEYMLGSALLVHPVTD PQTATIDVFLPGSDEVWYDSKTFAYWKGGCTVKIPVTLDTIPV
 FQRGGSVVPVKTTVGTSTGWMADSPYELRVALSTQGS AVGELYLDDGHSFYQLHQNQFLYRKF LFCSSVL
 TNRCANEKGHYPSKCIVEQILVLGLKKKPSV TTHLSDGRAQPAAF TYCAETSALRLEKLSLRIGEDWEV
 RVG

TRTRPLE - GFP Tag - V

Restriction Sites:

SgfI-MluI

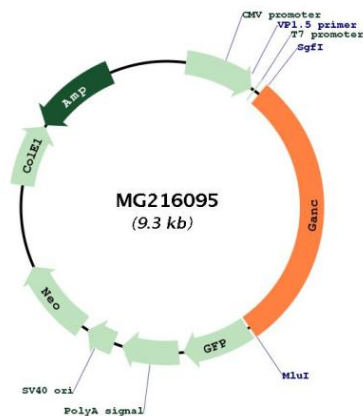
Cloning Scheme:



ACCN:

NM_172672

ORF Size:	2739 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:	NM_172672.2 , NP_766260.2
RefSeq Size:	4818 bp
RefSeq ORF:	2742 bp
Locus ID:	76051
UniProt ID:	Q8BVW0
Cytogenetics:	2 E5
Gene Summary:	Has alpha-glucosidase activity.[UniProtKB/Swiss-Prot Function]

Product images:


Circular map for MG216095