

Product datasheet for **MG208897**

C9 (NM_013485) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	C9 (NM_013485) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	C9
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG208897 representing NM_013485
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCTTTGCAAGCCTCCAGGGCTCCCAGGAGGAGCAGCATGGCCTCAGGCATGGCCATCACCTTAGCCC
 TTGCCATCTTTGCCTTGGGTGTCAATGCACAGATGCCAATACCCGTTTCCAGAGAAGAACAAGAACA
 CTATCCCATACCGATAGACTGCAGAATGAGCCATGGAGCAATTGGTCAGAGTGTGATCCTTGCCTCAAA
 CAAAGTTTCGCTCAAGAAGCATTTTAGCCTTCGGACAGTTAATGGGAAAAGCTGTGTTGATGTTTTGG
 GAGACAGACAAGGCTGTGAACCCACCCAGGAGTGTGAAGAGATACAGGAAAAGTGTGAAAATGACTTTCA
 GTGTGAGACAGGCAGGTGCATAAAGAGGAGACTTCTGTGTAATGGTGACAACGACTGTGGAGATTATTCT
 GATGAGAATGACTGTGACGATGACCCACGCACCCCATGCCGTGACCGAGTAGCGGAAGAATCAGAGCTGG
 GACTAACAGCAGGCTATGGGATCAACATCTTAGGGATGGAGCCCCTGAGAACACCTTTTGACAATGAGTT
 CTACAACGGACTCTGTGACCGGGTACGAGACGAAAAGACATACTATCGCAAACCTTGAATGTAGTTTCT
 CTGATCTATGAAACCAAGGCTGATAAAAGTTTCAGAACTGAGAATATGACGAACACTTGAAGTATTCA
 AAGCCATCAACCGAGAGAAGACCTCGAATTTAATGCAGATTTTGCCTAAAATTTTCAGCCACCGAAGT
 ACCTGAAAAGGGAGCTGGGAAGTCTCCCCAGCAGAACACTCTTCAAACCTACAAAATTTTCAGCTAAA
 TTTAAATTTTCATATTTTCATGGGAAAAATTTTCGAAGACTATCATCTTATTTTTCGCAGTCGAAAAAGA
 TGTGTGTCACCTGAGAGGAGTGGTCCAACCTGGGAGATTTGTAATGAGGAATCGGGATGTTGTGCTGAG
 GTCAACTTTCCTGGATGATGTAAGGCTCTACCAACTTCTATGAAAAGGAGAAATTTTGGATTTTGG
 GAAACCTTGGGACTACTACAGTACCTCTGGGTCCCTGGGAGGACAATATGAAATGTCTATGTCTTGG
 ATAAAGTTCATGAAAGAGAAAAGGTGTTGACCTGAATGATGTAACAACTTGTCTTGGATTTAATATGGA
 TTTACGATTCCTCTACAAGACGACTTAAAGGATGCATCAGTCACAGCAAGTGTTAATGCGGATGGTTGC
 ATAAAGACAGATAATGGGAAAAGTGAACATCACCCGCGATAACATCATAGATGATGTCATTTTCATTCA
 TAAGAGGAGGGACTAGGGAGCAAGCAATTCCTGAAAGAGAAGATTCTCAGAGGAGACAAGACATTTGA
 TAAGACTGACTTCGCCAACTGGGCTCGTCCCTGGCAAACGCTCCAGCTCTCATCAGTCAAAGAATGTCC
 CCTATATATAATCTCATTCTTTGAAAATAAAGATGCATACATAAAGAAGCAAAATTTGGAAAAGGCTG
 TTGAAGACTATATAGATGAATTCAGTACTAAAAGGTGCTACCCATGTCTAAATGGAGGTACTATAATTCT
 TCTGGATGGGCAGTGCCTGTCTCCTGCCCAATGATGTTAGGGGAATGGCTGCGAAATCCATCAAAAA
 ATA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG208897 representing NM_013485
 Red=Cloning site Green=Tags(s)

MLCKPPGLPRRSMASGMAITLALAIFALGVNAQMPIPVSREEQEQHYPIIDCRMSPWSNWSECDPCLK
 QRFRRSILAFGQFNGKSCVDVLGDRQGCEPTQECEEIQENCNDFQCETGRCIKRRLLCNGDNDGSDYS
 DENDCDDDPRTPCRDRVAEESELGLTAGYGINILGMEPLRTPFDNEFYNGLCDRVREKTYRKPWNVVS
 LIYETKADKSFRTENYDEHLEVFKAINREKTSNFNADFALKFSATEVPEKGAGEVSPAESHSSKPTNISAK
 FKFSYFMGKNFRRLSSYFSQSKKMFVHLRGVVQLGRFVMRNRDVVLRSTFLDDVKALPTSYEKGEYFGFL
 ETYGYHSTSGSLGGQYEVVYVLDKASMKEKGVLDNDVKHCLGFNMDLRIPLQDDLKDA SVTASVNADGC
 IKTDNGKTVNITRDNIIDDVISFIRGGTREQAILLKEKILRGDKTFDKTDFANWASSLANAPALISQRMS
 PIYNLIPLKIKDAYIKKQNLKAVEDYIDEFSTKRCYPLNGGTIILLDGQCLCSCPMFMRGMACEIHQK
 I

TRTRPLE - GFP Tag - V

Restriction Sites:

SgfI-MluI

ORF Size:	1683 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_013485.2
RefSeq Size:	1767 bp
RefSeq ORF:	1686 bp
Locus ID:	12279
UniProt ID:	P06683
Cytogenetics:	15 A1
Gene Summary:	Constituent of the membrane attack complex (MAC) that plays a key role in the innate and adaptive immune response by forming pores in the plasma membrane of target cells. C9 is the pore-forming subunit of the MAC.[UniProtKB/Swiss-Prot Function]