

Product datasheet for **MG223898**

Ncr1 (NM_010746) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Ncr1 (NM_010746) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Ncr1
Synonyms: Ly94; NKp46
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG223898 representing NM_010746
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGCTGCCAACACTCACTGCCCTACTGTGCCTTGGGCTATGTCTGAGCCAGAGGATCAACACTGAAAAGG
 AGACTCTCCCGAAACCCATCATCTGGGCCAAACCCAGCATCATGGTCACAAATGGAACTCGGTGAACAT
 CTGGTGTGAGGGGCTCAGAGTGTCTTCTGAGTATCAACTGTACTTTGAAGGAAGCTTTTTGCCTTGGAG
 AGACCAAAGCCATCGAGATCGATGAATAAAGTTAGGTTCTTCATTTACAAATGACCTCACATACTGCAG
 GGATCTACACCTGCTTCTATCAGAGTGGAGAGCTCTGGTCAAAGTCGAGCAACCCCTGAACTGGTAGT
 AACTGGTCTGTATGACACACCCAACCTCTGGGTTTATCCACAGCCTGAGGTAACCTTGGGGGAGAATGTT
 ACCTTCTTTTGCCAAGTGAAGACTGCCACAAGCAAATCTTTCTGCTCAAGGAGAGAGGATCCAACCACA
 TCCAGAATAAATATGGGAACATCCAAGCAGAGTTTCCCATGGGCCCGTACTAGGGCTCACAGAGGGAC
 ATACAGATGTTTTGGCTTTACAACGACTATGCATGGTCTTTCCAGTGAGCCTGTGACTACTCATC
 ACAGGAGGTGTTGAGAACAGCAGCCTTGACCTACCGACCCTACTTCTTCTTTGATTATTGGGAGTTTG
 ACCTTTCAACCAATGAATCAGGATTACAAAAGGACTCCGCCTTCTGGGATCACACAACCCAGAATTCAT
 TCGAATTGGTCTGGCATGCATAATCCTGATAACTCTAGTATGGCTTTTACTGAAGACTGGCTCAGCAAG
 AGGAAAGATCATGAAGAGGCCAACAGATTAACAAATTGGGAATGCAGGAGAAGATGGAGAATGCAGCATT
 ACTTTGAAGAGGAACAAAGAAATGCAATATCTATGATGGAAGCAAGCAACTCCTGGGGCCTTG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG223898 representing NM_010746
Red=Cloning site Green=Tags(s)

MLPTLTALLCLGLCLSQRINTEKETLPKPIIWAKPSIMVTNGNSVNIWCQGAQSASEYQLYFEGSFFALE
 RPKPSRSMNKVRFFISQMTSHTAGIYTCFYQSGELWSKSSNPLKLVVTGLYDTPNLWVYPQPEVTLGENV
 TFFCQLKTATSKFFLLKERGSNHIQNKYGNIQAEFFMPGPVTRAHRGTYRCFGSYNDYAWSFPSEPVTLII
 TGGVENSSLAPTDPTSSLDYWEFDLSTNESGLQKDSAFWDHTTQNLIRIGLACIILITLVLLTEDWLSK
 RKDHEEANRLTNWECRRRWRMQHYFEEEQRNAISMELKATPGAL

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_010746

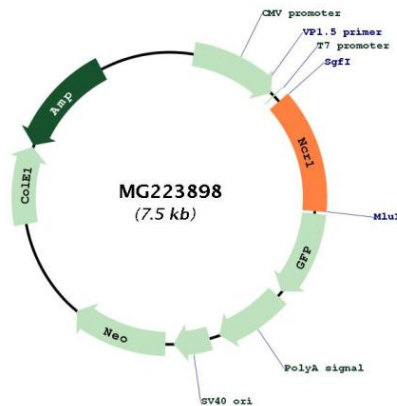
ORF Size: 975 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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_010746.3, NP_034876.2</u>
RefSeq Size:	1463 bp
RefSeq ORF:	978 bp
Locus ID:	17086
UniProt ID:	<u>Q8C567</u>
Cytogenetics:	7 A1
Gene Summary:	Cytotoxicity-activating receptor that may contribute to the increased efficiency of activated natural killer (NK) cells to mediate tumor cell lysis.[UniProtKB/Swiss-Prot Function]

Product images:


Circular map for MG223898