

Product datasheet for **MG217362**

Negr1 (NM_177274) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Negr1 (NM_177274) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Negr1
Synonyms: 5330422G01Rik; KILON; Ntra
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG217362 representing NM_177274
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGTGCTCCTGGCGCAGGGCGCTTGTGCTCGAACCAGTGGCTGGCGCGGTGCTTCTGAGCCTGTGCT
 CTTGCCTCCCGGCCGGCAGAGCGTGGACTTCCCTTGGCGGCCGTGGACAACATGCTGGTGAGGAAAGG
 TGACACAGCGGTGCTCAGGTGTTACTTGAAGATGGAGCATCAAAGGGTGCCTGGCTCAACAGGTCAAGT
 ATCATTTTGTGGAGGTGACAAGTGGTCACTGGACCCTCGAGTTCCATTTCCACATTGAATAAAAGAG
 ACTACAGCCTCCAGATACAGAATGTTGATGTAACAGATGATGGCCGTACACCTGTTCTGTGCAGACCCA
 ACACACACCACGACAATGCAGGTTTCATCTCACTGTGCAAGTCCCACCGAAAATATACGACATCTCAAAT
 GACATGACCATCAATGAAGGAACCAATGTACCCTTACTTGTGTTGGCCACTGGGAAGCCAGAGCCTGTCA
 TTTCTGGAGGCATATCTCCCCATCAGCAAAACCATTTGAAAATGGACAATATTTGGACATTTATGGAAT
 TACAAGGGACCAGGCTGGGGAGTATGAATGCAGTGCAGAAAACGATGTGTCGTTCCAGACGTGAAGAAA
 GTGAGAGTGATCGTGAATTTGCGCCTACAATTCAGGAAATTAATCTGGCACTGTGACCCTGGACGCA
 GTGGACTGATACGATGCGAGGGTGCAGGTGTGCCGCCCGCCCTTCGAGTGGTACAAGGAGAGAAGAG
 GCTCTTCAATGGCCAACAAGGAATTATCATTGAGAATTTAGCACAAGATCCATCCTCACAGTGACCAAT
 GTGACGAGGACACTTCGGCAACTATACTTGTGTGGCTGCCAACAAGTTGGGTACAACCAACCGGAGCC
 TGCCCTCAACCAGAGTCCATTCCTGGCAAGTTTCTTCATGTTGAAAGTTTCCTTCTCTGGTCTG
 CATCTTA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG217362 representing NM_177274
 Red=Cloning site Green=Tags(s)

MVLLAQGACCSNQWLAAVLLSLCCLPAGQSVDFPWAAVDNMLVRKGD AVLRCYLEDGASKGAWLNRSS
 IIFAGGDKWSVDPRVISISTLNKRDYSLQIQNVDVTDDGPYTC SVQTQHTPRMTQVHLTVQVPPKIYDISN
 DMTINEGTVNLTCLATGKPEPVISWRHISPSAKPFENGQYLDIYGITRDQAGEYECSAENDVSFPDVKK
 VRVIVNFAPTIQEIKSGTVTPGRSGLIRCEGAGVPPPAFEWYKGEKRLFNGQQGIIIQNFSTRSILTVTN
 VTQEHFGNYTCVAANKLGTNASLPLNQSSIPWQVFFMLKVSFLLVCIL

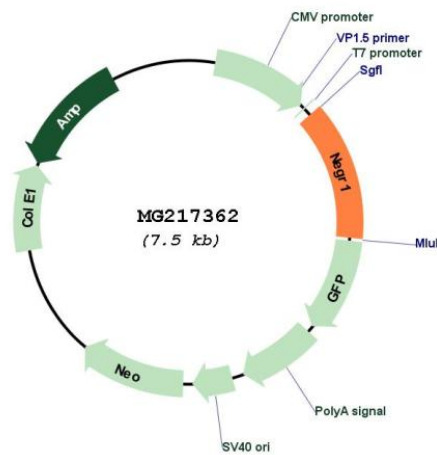
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_177274

ORF Size: 2257 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_177274.4 , NP_796248.1
RefSeq ORF:	990 bp
Locus ID:	320840
UniProt ID:	Q80Z24
Cytogenetics:	3 H4
Gene Summary:	May be involved in cell-adhesion. May function as a trans-neural growth-promoting factor in regenerative axon sprouting in the mammalian brain.[UniProtKB/Swiss-Prot Function]