

Product datasheet for **MG214635**

Nccrp1 (NM_001081115) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	Nccrp1
Synonyms:	1190020J12Rik; Gm163; NCCRP-1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence: >MG214635 representing NM_001081115
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTACTATAGGGCGCCGGGAATTCGTGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGACTTGCCCCGCCCTCCACCTCCAGTTAACCTGGATCCTAGGAACCACGACCCAGTCGCCAAACCT
TAGGGATGGAGAAGACACAGGACAGAGACACGCTCAGTGGCAGGATGGAAGCCGAGGGTCCCTGAACTC
GGAGGAACTGCCGCCGATCCCCAGTCCCCGCCACCACCGCGTCCCCAAGGTCTCCACGTCCCCGGTG
ACCCCGGAGCTCCCGCAGCCCAATGCACCGACTGAGGTTGAAGCCAGGCAGCTGCTAGTAGAAGAATGGG
GACCCCTGAGCGGGAAGCTGGAGCTGCCCCGAGAATCAGCTGGCAGCTGCTGTTCTGGAGCGGCCGCT
CTACCGCAACCTGCTCAGCTCACCCAACCCAGAAGGCATTAATATCTACCAGCCGGCGCCCCACGGGT
CCCACCGAAAACCCCTGAAGGAGCTGGGTAATTTCCGTGGATGGTACATTACCACTCAGAACCTCCAGG
GGCCTCTCAGCTGGACTGTGAAGGAGCAGTGCCTGAACCTGCTGGCCAAGAAGCTGTGGGAGGAGCTGCT
GGATGACGAACAGCCTGACATCACCATCATGGACTGGTTCGAGGACAGCCGCTAGACCAGTGTGTTAT
GAGCTGCATGTCTGGCTGTAGCAGCTGACCGCCGACGGTATTGCCAGCACACGTGGCCCCCTCGGA
CCAATGGGAGAGGACCCCTGGCCGCTGGATTGAGGTGCCACGTCTTCCGCCAGTACGGCCCCGGAGT
GCGCTTTGTCTACTTCCAGCACAAAGCTAAGAACCGCATGGAGCTGGGGGACTGCGGAGGACAAGGGT
ACCGACTCTTCTGTGCTGTGACGCTCCGGGAG

ACCGGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



Protein Sequence: >MG214635 representing NM_001081115
Red=Cloning site Green=Tags(s)

MTCPAPPPVNLDRNHPVAQTLGMEKTQDRDTLSGRMEAEGSLNSEELPPHPQSPPPPPSPRPTSPV
 TPPELPQPNAPTEVEARQLLVEEWGPLSGKLELPPRISWQLLFLERPLYRNLLSSPNPEGINIYQPAPPTG
 PTRKPLKELGNFRGWYITTNLQGPLSWTVEQCVNLLAKKLWEELLDDQPDITIMDWFEDSRDQCVY
 ELHVWLLAADRRTVIAQHHPARTNGRPPGRWIVSHVFRQYGPVRFVYFQHKAKNRMEPGGLRRTRV
 TDSSVSVQLRE

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



ACCN: NM_001081115

ORF Size: 873 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_001081115.1](#), [NP_001074584.1](#)

RefSeq Size: 1531 bp

RefSeq ORF: 876 bp

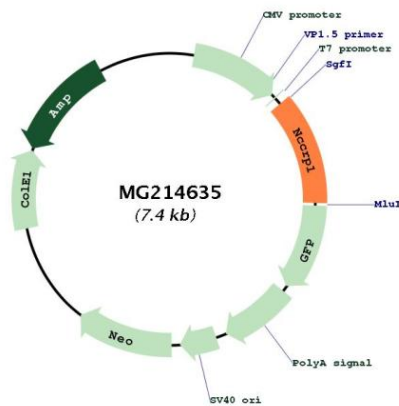
Locus ID: 233038

UniProt ID: [G3X9C2](#)

Cytogenetics: 7 B1

Gene Summary: Promotes cell proliferation.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG214635