

Product datasheet for **MG206414**

Rundc3b (NM_198620) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	Rundc3b
Synonyms:	Gm440
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence: >MG206414 representing NM_198620
Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTGAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**

ATGGCCTCCCGAGCCTGGGGGCTGAGCGGGAGCCGCGCGCGCGCGCGCGCGCGCAAGAAGA
GCCTGAGCGCCCGCAACGCTGCGGTGGAGAGGAGGAACCTGATCACCGTGTGCAGATTTTCTGTGAAGAC
CCTGATTGATCGGTCTTGCTTTGAAACAATTGATGATTCATCTCCTGAATTTAATAACTTTGCAGCTGTT
CTGGAACAAATTCTAAGTCACCGCTAAAAGGTCAAGTAACATGGTTTGGCTATGAAAGCCACGTAGCT
TCTGGGACTATATCAGAGTGGCTTGCCGGAAGTTTCACAACTGTATCTGTAGTATTGAAAATATGGA
AAATGTCAGCTCCTCCAGAGCTAAGGGTAGAGCCTGGATCAGAGTAGCACTCATGGAAAAACATTTGTCT
GAATACATCTCTACAGCTTTGAGAGACTTCAAACAACCAGGAGGTTTTATGAAGATGGAGCCATTGTCT
TGGGTGAAGAAGCAAATATGCTTGCTGGCATGCTGCTTGGACTCAATGCTATTGACTTCAGCTTCTGCCT
AAAGGGAGAAGGATTAGATGGCACCTTCCCTGCTGTGATAGACTATACACCATATTTGAAGTTTGAACAA
AGTTCTGACAGCATCAGCAGTGACGAGGAGGAACCTCAGGACGTTTGGGAGCAGTGACAGTGAGAGCAGCA
CCCCAGAGAATGTGGACCGCCTCTCATCTAGACGAGAACACCTGGTTCAACAAGTGCAAGAGAGTAAG
GCAGAAATACCAGCTTACCCTGGAGCAGAAGGGTTATCTTGAAGAACTCTTGGGCTTCGTGAGAACCA
CTTTCTGAATCTGTCTCTCAGAATAAAATCCTACTTCAGAGGATCGAAGATTCTGATCTGGCCCAAAAT
TGGAGAAGAAGACAGTTAGAATATATCATTGTGGAGCTTCAAGATCAGCTTAAAAGTTACCAAAGCCTTGA
CCAGTTATCAGCAGAAGTTAGCCTTCTCAGGCCTCATTGGATCCAGCCACTCACAAGAAGGAGATGGA
AAGCAAGACTCATTGAATTTATTGGTGAAGGTAAGAAGATACCCCTCACTTCTTGGCCTCTGTGGT
CCCTGACATCAGTGGCAAGTTACAAGTCCCTAACAGCCTAAAATCCAACGACTGCCTTGCAAGCCCCAC
CACGGAGCTAACCAGCCAGGCCTGACTCCATCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



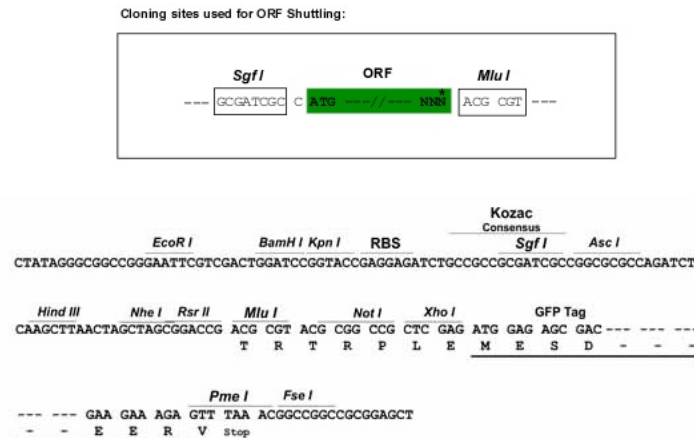
Protein Sequence: >MG206414 representing NM_198620
Red=Cloning site Green=Tags(s)

MASRSLGGLSGSRGGGGGGGKKSLSARNAAVERRNLTIVCRFSVKTLIDRSCFETIDSSPEFNNFAAV
LEQILSHRLKGQVTFWGYESPRSFWDYIRVACRKVSQNCICSINMENVSSSRAKRAWIRVALMEKHL
EYISTALRDFKTRRFYEDGAIVLGEEANMLAGMLLGLNAIDFSFCLKGEGLDGTFPAVIDYTPYLKFEQ
SSDISSEDEELRTFGSSDSESTPENVPPLILDENTWFKCKRVRQKYQLTLEQKGYLEELLRLRENQ
LSESVSQNKILLQRIEDSLAHKLEKEQLEYIIVELQDQLKSYQSLDQLSAEVSLSQASLDPSHSQEGDG
KQDSLNFIGEGKEDTPSLGLCGSLTSVASYKSLTSLKSNDCASPTTELTSPGLTPS

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_198620

ORF Size: 1224 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_198620.1](#), [NP_941022.1](#)

RefSeq Size: 3700 bp

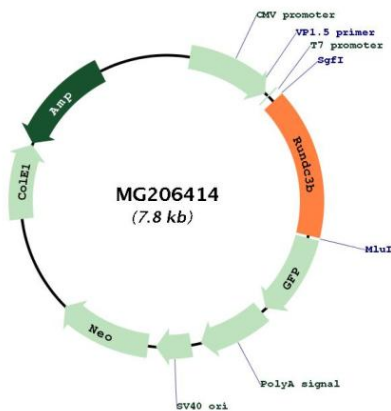
RefSeq ORF: 1227 bp

Locus ID: 242819

UniProt ID: [Q6PDC0](#)

Cytogenetics: 5 A1

Product images:



Circular map for MG206414