

Product datasheet for **MG205347**

Necab1 (NM_178617) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Necab1 (NM_178617) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Necab1
Synonyms:	1700003H21Rik; Efcbp1; STIP-1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG205347 representing NM_178617 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAGGATCCCGGGAGACTTCGCCTTCTCCAACAACCTCGGAAGAGCTCAGCTCTACCCTGCAAC
TGTCGAAGGGCATGTCCATCTTCTCGACATTCTGAGGAGAGCAGACAAAAATGATGATGGAAAATTGTC
CTTTGAGGAATTTAAAGCATATTTGCAGATGGAGTTCTCAGTGGAGAAGAAGTACATGAGCTCTCCAC
ACCATTGACACACACAATACCAACAATCTCGACACAGAAGAAGTATGCGAATATTTTTCTCAGCACTTGG
GTGAATATGAGAATGACTGGCCGCACTGAAGACCTGAATCTCTCCATCCTGAAGGCAATGGGCAAGAC
AAAGAAAGACTACCAAGAAGCTTCCAATTTGGAACAATTTGTCACCTCGATTTTTGTTGAAGGAGACCTTG
AATCAGTTGCAGTCTCTCCAGAAGTCTCTGGAATGTGCCATGGAACTACTGAAGAGCAAACGCGTCAAG
AAAGGCAAGGACCATCCAAGCCAGAAGTCTGTCCATTCAATGGCCTGGAAAGCGATCCAGCCGCGGAGT
CCAGAGACACAATAGTTTCTCCCCAACAGCCGAGTTCAATGTGAGCAGTCCAGCATTGTTAGAAGAA
GACAACCAAGTGGATGACCCAGATAAACAGACTCCAGAAATTAATTGATAGACTGGAAAAGAAGGATCTGA
AACTTGAACCCCTGGAAGAAGAAATTTGAAGAGAAGTAACTAACTCACATCATGCTTGTGAGAGTGCCTCA
GATGCTGTGACAGAAGAGGATCTGGAAGAATTCAGCTTGTCTGAAGCACTATGTGGAGAGTGCCTCA
GCTCAAAGTGGATGCCTGCGTATCTCTATACAGAAGCTCTCAAACGAATCTCGTACATGATTTATGAT
TCTGGGAGAAGCAGCAGTGTGTGGAACCGCCACCTCCAGACGAATTACAGCAAGAGCTTCCAAAGAAGCAA
CGTGGATTTCTTGAAACTCCAGAGCTCACATCTACCATGCTAGTTCTGCTTCATGGTGGATCCTGAAC
ACAAT

AG**CGGACCG**ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG205347 representing NM_178617
Red=Cloning site Green=Tags(s)

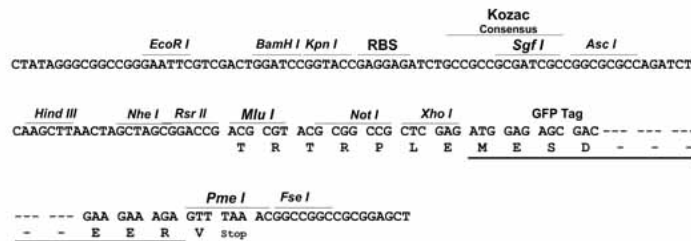
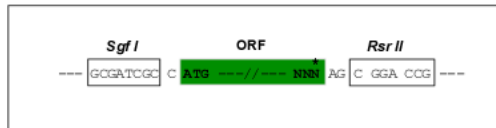
MEDSRETSPPSSNNSSEELSSTLQLSKGMSIFLDILRRADKNDGKLSFEFKAYFADGVLSGEELHELH
 TIDHTNNTNLDTEELCEYFSQHLGEYENVLALEDLNLILKAMGKTKKDYQEASNLQFVTRFLK
 NQLQSLQNSLECAMETTEEQTRQERQGPSKPEVLSIQWPGKRSSRRVQRHNSFSPNSPQFN
 VSSPALLEE DNQWMTQINRLQKIDRLEKKDLKLEPLEEEIIEENTKPHIMLVQRQMSVTEED
 LEELFQLALKHYVESAS AQSGLRISIQKLSNESRYMIYEFWENSSVWNRHLQTNYSKTFQ
 RSNVDFLETPELTSTMLVPASWWILN
 NN

SGPTRRRLE - GFP Tag - V

Restriction Sites: SgfI-RsrII

Cloning Scheme:

Cloning sites used for ORF Shuttling:



ACCN: NM_178617

ORF Size: 1056 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.

RefSeq: [NM_178617.4](#), [NP_848732.3](#)

RefSeq Size: 4919 bp

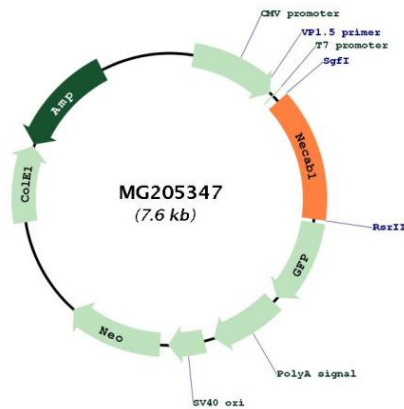
RefSeq ORF: 1059 bp

Locus ID: 69352

UniProt ID: [Q8BG18](#)

Cytogenetics: 4 A2

Product images:



Circular map for MG205347