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Product datasheet for MG200148

Nedd8 (NM_008683) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Nedd8 (NM_008683) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Nedd8
Synonyms:	Rub1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence:

```
>MG200148 representing NM_008683
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGCTAATTAAAGTGAAGACGCTGACTGGGAAGGAGATTGAGATAGACATCGAACCCACAGACAAGGTGG
AGCGAATCAAGGAGCGTGTGGAAGAAAAAGAAGGGATTCCCCCCCAGCAGCAGCGGCTCATCTACAGTGG
CAAGCAAATGAATGATGAGAAGACAGCAGCTGATTACAAGATTCTAGGTGGTTCCGTCCTCCACCTGGTG
TTGGCTCTTAGAGGAGGAGGTGGTCTTGGGCAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag -  GTTTAA
```

Protein Sequence:

```
>MG200148 representing NM_008683
Red=Cloning site Green=Tags(s)

MLIKVKTLTGKEIEIDIEPTDKVERIKERVEEKEGIPPQQQRLIYSGKQMNDEKTAADYKILGGSVLHLV
LALRGGGGLGQ

TRTRPLE - GFP Tag -  V
```

Restriction Sites: SgfI-MluI

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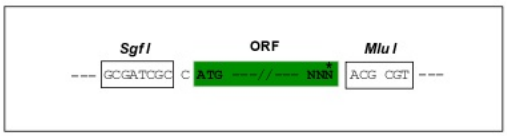
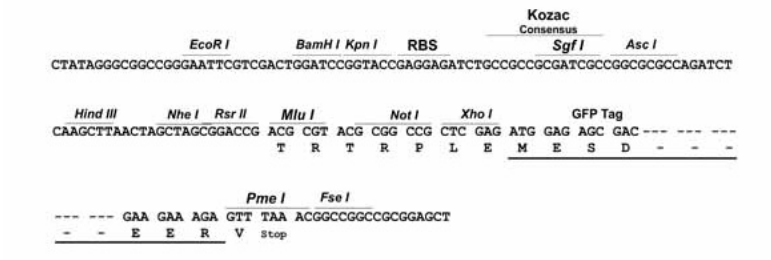
Cloning Scheme:





ACCN:	NM_008683
ORF Size:	243 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_008683.4
RefSeq Size:	603 bp

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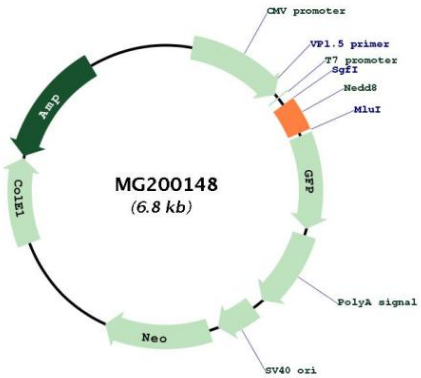
RefSeq ORF:	246 bp
Locus ID:	18002
UniProt ID:	P29595
Cytogenetics:	14 28.19 cM
Gene Summary:	Ubiquitin-like protein which plays an important role in cell cycle control and embryogenesis. Covalent attachment to its substrates requires prior activation by the E1 complex UBE1C-APPBP1 and linkage to the E2 enzyme UBE2M. Attachment of NEDD8 to cullins activates their associated E3 ubiquitin ligase activity, and thus promotes polyubiquitination and proteasomal degradation of cyclins and other regulatory proteins.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG200148

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