

Product datasheet for **RG205524**

NEDD1 (NM_152905) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	NEDD1 (NM_152905) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	NEDD1
Synonyms:	GCP-WD; TUBGCP7
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide
Sequence:

>RG205524 representing NM_152905
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGCAGGAAAACCTCAGATTTGCTTCATCAGGAGATGATATTAATATGGGATGCTTCATCTATGACAT
TGGTGGATAAATTCAACCCACACACATCACCACATGGAATCAGCTCAATATGTTGGAGCAGCAATAATAA
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CTTTAGAGCTTGTGAAGGGCAAAAGCAGACATGTGTCAATTTAAATCTACATCTATGTATTTGGTAA
GCGGAGGCTAAATAACTGTTAATATTTGGATTTAAATCAAAAAGAGTTTCATCGATCTCTTAAGGA
TCATAAGATCAAGTAACTTGTGAACATAACAATTGGAATGATTGCTACATTGCTTCTGGATCTCTTAGT
GGTGAAATTTTTACACAGTGAACCACTAATTTATCTAGTACTCCTTTGGCCATGGTAGTAACCACT
CTGTTCCGCACTGAAGTACTCCTTGTAAAGAACTACTACTGGGCAGTGTTCGGATAATGGAATAGT
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ATACCTCTCCATCATCTAACCAACAAGAAATTTGAGAAATTTGAAAAGCCAGAGAATGAAATGAAGC
CCAGTTGATATGTGAACCCCAATCAATGGATCCTCAACTCCAAATCAAAGATAGCATCTTCTGCTACT
GCTGGAGTTGCCAGTTCCTCTCAGAAAAATAGCCGACAGCATTGGAAATAACCGGCAAAATGCACCAT
TGACTTCCATTCAAATTCGTTTTATTGAGAACATGATACAGGAAACGTTGGATGACTTTAGAGAAGCATG
CCATAGGACATTGTGAATTTGCAAGTGGAGATGATTAACAGTTTCATATGCAACTGAATGAAATGCAT
TCTTTGCTGAAAAGATACTCAGTGAATGAAGTTTAGTGGCTGAAATTGAAAGACTACGAGAAGAAAAACA
AAAGATTACGGGCCACTTT

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence: >RG205524 representing NM_152905
 Red=Cloning site Green=Tags(s)

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MQENLRFASSGDDIKIWDASSMTLVDFKPNHTSPHGISSICWSSNNFLVTASSGDKIVVSSCKCKPVP
LLELAEGKQKQTCVNLNSTSMYL VSGGLNNTVNIWDLKSKRVHRSLKDHKDQVTCVTYNWDCYIASGSL
GEIILHSVTTNL SSTPFHGHSNQSVRHLKYSLFKKSLLGSVSDNGIVTLWDVNSQSPYHNFDSVHKAPAS
GICFSPVNE LLFVTI GLDKRIILYDTSSKKLVKTLVADTPLTAVDFMPDGATLAIGSSRGKIYQYDLRML
KSPVKTI SAHKTSVQCI AFQYSTVLTKSSLNKGCSNKPTTVNKRVSVNVAASGGVQNSGIVREAPAT SIA
TVLPQPM TSAMGKGTVA VQEKAGLPRSINTDTLSKETDSGKNQDFSSFDDTGKSSLGDMFSPIRD DAVVN
KGSDESIGKGDGDFLPQLNSVFP RKNPVTSSV LHSPLNVFMGSPGKEENENRDLT AESKKIYMGK
QESKDSFKQLAKLV TSGAESGNLNTSPSSNQTRNSEKFEKPENEIEAQLICEPPINGSSTPNPKIASSVT
AGVASSLSEKIADSI GNNRQNAPLTSIQIRFIQNM IQETLDDFREACHRDIVNLQVEMIKQFHMQLNEMH
SLLERYSVNEGLVAEIERLREENKRLRAHF
  
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TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_152905

ORF Size: 1980 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_152905.4](#)

RefSeq Size: 2374 bp

RefSeq ORF: 1983 bp

Locus ID: 121441

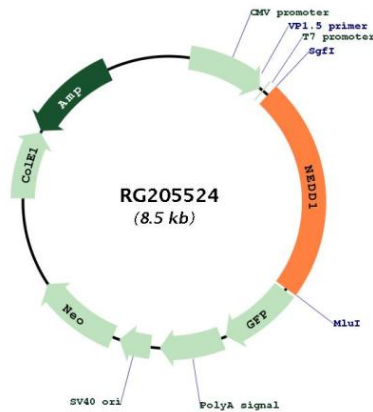
UniProt ID: [Q8NHV4](#)

Cytogenetics: 12q23.1

Domains: WD40

Gene Summary: Required for mitosis progression. Promotes the nucleation of microtubules from the spindle. [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG205524