

## Product datasheet for RC208098L2V

## OriGene Technologies, Inc.

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## NYREN18 (NUB1) (NM\_016118) Human Tagged ORF Clone Lentiviral Particle

**Product data:** 

**Product Type:** Lentiviral Particles

Product Name: NYREN18 (NUB1) (NM\_016118) Human Tagged ORF Clone Lentiviral Particle

Symbol: NYREN18

Synonyms: BS4; NUB1L; NYREN18

Mammalian Cell

Selection:

None

**Vector:** pLenti-C-mGFP (PS100071)

Tag: mGFP

**ACCN:** NM\_016118 **ORF Size:** 1803 bp

**ORF Nucleotide** 

The ORF insert of this clone is exactly the same as(RC208098).

Sequence:
OTI Disclaimer:

**Domains:** 

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.

**RefSeg:** NM 016118.3, NP 057202.2

**UBA** 

 RefSeq Size:
 3112 bp

 RefSeq ORF:
 1806 bp

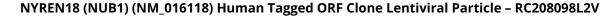
 Locus ID:
 51667

 UniProt ID:
 Q9Y5A7

 Cytogenetics:
 7q36.1

**Protein Families:** Druggable Genome





ORIGENE

**MW:** 68.9 kDa

**Gene Summary:** 

This gene encodes a protein that functions as a negative regulator of NEDD8, a ubiquitin-like protein that conjugates with cullin family members in order to regulate vital biological events. The protein encoded by this gene regulates the NEDD8 conjugation system post-transcriptionally by recruiting NEDD8 and its conjugates to the proteasome for degradation. This protein interacts with the product of the AIPL1 gene, which is associated with Leber congenital amaurosis, an inherited retinopathy, and mutations in that gene can abolish interaction with this protein, which may contribute to the pathogenesis. This protein is also known to accumulate in Lewy bodies in Parkinson's disease and dementia with Lewy bodies, and in glial cytoplasmic inclusions in multiple system atrophy, with this abnormal accumulation being specific to alpha-synucleinopathy lesions. Alternative splicing of this gene results in multiple transcript variants. [provided by RefSeq, Aug 2011]