

Product datasheet for **RG234630**

NYREN18 (NUB1) (NM_001243351) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	NYREN18 (NUB1) (NM_001243351) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	NYREN18
Synonyms:	BS4; NUB1L; NYREN18
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG234630 representing NM_001243351
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAAACAACGCGGCCGCTGCCGATCCGGGCACTCTGCTGGTCGCGCGGGAGTGGCGTGGCGCAG
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 CACCGTACTTAGACATAGCTAACAGACAGGCAGATCAATCAGAATCCCCCATCAGAAAGAAAAGCCCT
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 GTGCCTCAACAGACGAAGACATGGAGACAGAGGCCGTCATGAGATACTGGAAGACATCCAGAGCATGA
 GGAAGACTATCTTGACTCAACTCTGGAAGATGAAGAAATTATTATTGCAGAGTACCTATCTATGTAGAA
 AATAGGAAGTCAGCAACAAGAAAAAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

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 Red=Cloning site Green=Tags(s)

MKTNGGRCRIRALCWSRREWRGAGMAQKKYLQAKLTQFLREDRIQLWKPPYTDENKKVGLALKDLAKQYS
 DRLECCENEVEKVIIEIRCKAIERGTGNDNYRTTGIATIEVFLPPRLKKDRKNLLETRLHITGRELRSKI
 AETFGLQENYIKIVINKQLQLGKTL EEQVAVHNVKAMVLELQKQSEEDARKNFQLEEEEQNEAKLKEKQI
 QRTKRGL EILAKRAAETVVDPEMTPYLDIANQTGRSIRIPPSERKALMLAMGYHEKGRAFLKRKEYGIAL
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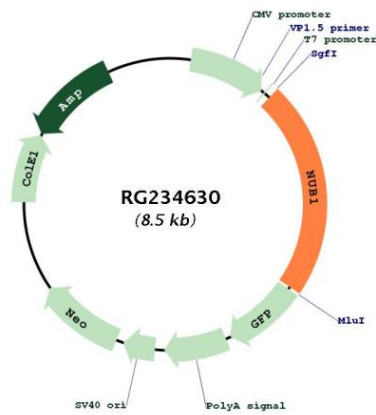
TRTRPLE - GFP Tag - V

Cytogenetics: 7q36.1

Protein Families: Druggable Genome

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]

Product images:



Circular map for RG234630