

Product datasheet for **MG201529**

Npm3 (BC048491) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
 Product Name: Npm3 (BC048491) Mouse Tagged ORF Clone
 Tag: TurboGFP
 Symbol: Npm3
 Synonyms: Nub1
 Mammalian Cell Selection: Neomycin
 Vector: pCMV6-AC-GFP (PS100010)
 E. coli Selection: Ampicillin (100 ug/mL)
 ORF Nucleotide Sequence: >MG201529 representing BC048491
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCGGCCGGCGCGGGCTGCTTTAGCGTCTTGAACCAAGAGAGCCGAGCCCGAGCTGGGGCGTGC
 GGGGCTGAGGGTCCCGGCCCGGTCAATGGACAGTTCTTCTCGTTGTGAGCTCTCCGGCCACAC
 CCGCTCCTTCAAGTTGAGGAGGAGGATGACACGGAGCAGTGTGGCGTTGAACATGCTGTGC
 CTTACCGAGGGGCCACGACGAGTGAATGTGGTGAAGTTGTGGCCCGGATCAGACAATCAGGAGA
 TTGCAGTTCCTGTGGCCAACTCAGTTGTCTGCCAGCCATGCTCAGTGTGGATGATTTCCAACCTCA
 ACCACCTGTACCTTCCGCCTGAAGTCCGTTCTGGCCAGTTCCGGATCACTGGCCGGCATCAGATCGTT
 TGTATAACAACGACCTTCTGAAGAAGAAAGTGATGAGAGCGAAGAAGATGAAATTAAGCTGTGTG
 GCATCCTTCTGCCAAGAAGCACAGGGGCAGGCT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG201529 representing BC048491
 Red=Cloning site Green=Tags(s)

MAAGAAAALAFLNQESRARAGGVGLRVPAPVTMDSFFFGCELSGHTRSFTFKVEEEDDTEHVLALNMLC
 LTEGATDECNVVEVVARHDHNEIAVPVANLRLSCQPMLSVDDFQLQPPVTFRLKSGSGPVRITGRHQIV
 CINNDLSEEESEDESEDEIKLCGILPAKKHRGRP

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI



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Cloning Scheme:



ACCN: BC048491

ORF Size: 525 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: [BC048491.1](#)

RefSeq Size: 793 bp

RefSeq ORF: 527 bp

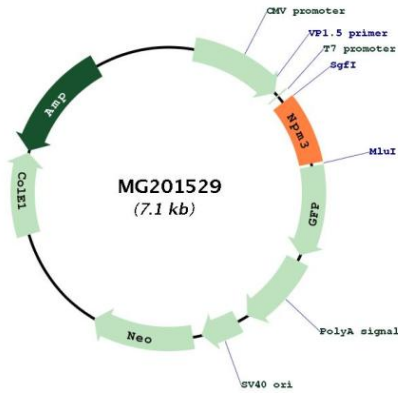
Locus ID: 18150

Cytogenetics: 19 38.75 cM

Gene Summary:

Plays a role in the regulation of diverse cellular processes such as ribosome biogenesis, chromatin remodeling or protein chaperoning. Modulates the histone chaperone function and the RNA-binding activity of nucleolar phosphoprotein B23/NPM. Efficiently mediates chromatin remodeling when included in a pentamer containing NPM3 and NPM. [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG201529