

Product datasheet for **RG200043**

NUPL1 (NUP58) (NM_014089) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	NUPL1 (NUP58) (NM_014089) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	NUPL1
Synonyms:	NUP45; NUPL1; PRO2463
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG200043 representing NM_014089
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGTCCACAGGGTTCTCCTTCGGGTCCGGGACTCTGGGCTCCACCACCGTGGCCGCCGGCGGGACCAGCA
 CAGGCGGCGTTTTCTCCTTCGGAACGGGAGCGCTAGCAACCCTTCTGTGGGGCTCAATTTGGAAATCT
 TGGAACTACTTCAACTCCAGCAACTACATCTGCTCCTTCAAGTGGTTTTGGAACCGGGCTCTTTGGATCT
 AAACCTGCCACTGGGTTCACTCTAGGAGGAACAAATACAGGAATAGCAACAACTATAACTACAGGATTAA
 CTCTGGGAACGCCAGCCACTACATCTGCAGCTACAACAGGCTTCAGTTTAGGATTCAATAAACCTGCAGC
 ATCTGCCACACCATTTGCTCTACCTATTACCTCTACCTCAGCTAGCGGTCTGACTCTTTCGTCTGCTCTG
 ACATCAACTCCAGCAGCATCCACAGGATTTACTCTAAATAATTTGGTGGGACAACAGCCACAACACTACAA
 CTGCATCAACAGGCTCTCTTTAGGGGGAGCCTTAGCTGGTTTGGGAGGTTCACTTTCCAGAGTACAAA
 CACAGGAACATCAGGACTTGGACAGAATGCTTTAGGGTTGACTTTGGGAACACAGCAGCTACTTCAACT
 GCAGGCAATGAAGGCCTTGGTGGTATAGATTTCACTAGCTCCTCAGATAAAAAGAGTGATAAACCGGAA
 CAAGACCAGAGGATAGTAAAGCTCTGAAGGATGAAATCTACCTCCTGTCATCTGCCAGGATGTTGAAAA
 TCTCCAGAAATTTGTGAAGGAGCAGAAACAAGTTCAAGAAGAAATTAGTAGAATGTCTTCAAAGCAATG
 CTTAAGGTACAAGAAGATATTAAGCTCTGAAGCAGCTCCTGTCGTTGGCTGCCAATGGAATACAGAGAA
 ACACCTCTCAACATTGACAAATGAAAATAGAACTGCTCAGGAGTTGAAGAATGCTGAAATAGCTTTAAG
 AACCCAGAAGACACCCTGGACTTCAACATGAATATGCAGCTCCTGCTGACTACTTCAGAATCTTGGTT
 CAGCAATTTGAGGTACAGCTTCAGCAGTACAGGCAGCAGATTGAAGAAGTAAAAACCATCTTGCCTC
 AAGCAATAATTACATATAACCCCTCAAGATTTGTCAATGGCTATGCAGAAAATTTATCAAACTTTGT
 AGCTTTAGCGGCACAACCTTCAGTCTATTCATGAAAATGTAAAGGTTCTGAAAGAACAGTACCTTGGCTAC
 AGGAAAATGTTCTTGGGAGATGCTGTTGATGTGTTTGAACAAGCGAGCAGAGAAGCCAAGAGTGGCAGA
 ACACACCCAGAGTTACTACTGGACCCACTCCTTTCAGCACCATGCCAAACGCAGCAGCCGTTGCCATGGC
 TGCAACACTTACACAGCAGCAACAGCCTGCTACAGGGCCACAGCCATCTCTGGGAGTTAGTTTTGGAACG
 CCATTCGGCTCAGGTATTGGCACTGGCTTGCAATCAAGTGGCTTAGGTTCTTCAAACCTTGGAGGATTTG
 GAACTAGCTCTGGTTTTGGATGCAGCACCAGGGGCTCCACATTTGGATTTGGAACAACAATAAACCC
 CTCAGGAAGTCTTAGTGCAGGCTTTGGCAGCTCAAGTACATCTGGGTTTAACTTCAGCAATCCTGGCATC
 ACGGCATCAGCTGGTTTACTTTTGGGGTGTCCAATCCTGCCTCTGCAGGTTTTGGAACAGGAGGACAAC
 TCCTTCAGTTGAAGAAACCTCCAGCTGGAACAAAAGAGGAAAAAGA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG200043 representing NM_014089
 Red=Cloning site Green=Tags(s)

MSTGFSFGSGTLGSTTVAGGTSTGGVFSFGTGASSNPSVGLNFGNLGSTSTPATTAPSSSGFGTGLFGS
 KPATGFTLGSTNTGIATTITTLGLTLPATTSAAATGFSLGFNKPAAATPFALPITSTSASGLTLSSAL
 TSTPAASTGFTLNNLGGTTATTTTASTGLSLGGALAGLGGSLFQSTNTGTSGLGQNALGLTLGTTAATST
 AGNEGLGGIDFSSSSDKKSDKTGRPEDSKALKDENLPPVICQDVENLQKFVKEQKQVQEEISRMSKAM
 LKVQEDIKALKQLLSLAANGIQRNTLNIDKLKIETAQELKNAEIALRTQKTPPGLQHEYAAPADYFRILV
 QQFEVQLQQYRQQIEELENHLATQANNSHITPQDL SMAMQKIYQTFVALAAQLQSIHENVKVLKEQYLGY
 RKMFLGDAVDVFETRRAEAKKWQNTPRVTTPFSTMPNAAVAMAATLTQQQFPATGPQPSLGVSGFT
 PFGSGITGLQSSGLGSSNLGGFTSSGFGCSTTGASTFGFGTTNKPSGSLSAGFGSSSTSGFNFSNPGI
 TASAGLTFGVSNPASAGFTGGQLQLKKPPAGNKRGR

TRTRPLE - GFP Tag - V

Restriction Sites:

SgfI-MluI

Cloning Scheme:


ACCN: NM_014089

ORF Size: 1797 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_014089.4](#)

RefSeq Size: 4335 bp

RefSeq ORF: 1800 bp

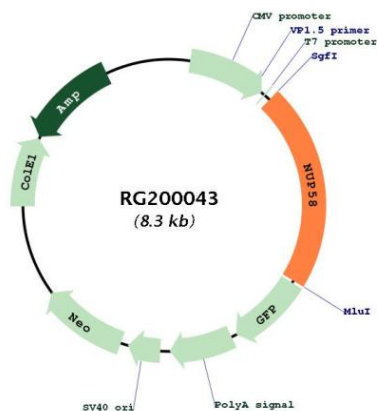
Locus ID: 9818

UniProt ID: [Q9BVL2](#)

Cytogenetics: 13q12.13

Gene Summary:

This gene encodes a member of the nucleoporin family that shares 87% sequence identity with rat nucleoporin p58. The protein is localized to the nuclear rim and is a component of the nuclear pore complex (NPC). All molecules entering or leaving the nucleus either diffuse through or are actively transported by the NPC. Alternate transcriptional splice variants, encoding different isoforms, have been characterized. [provided by RefSeq, Jul 2008]

Product images:


Circular map for RG200043