

Product datasheet for **SC301325**

NUPL1 (NUP58) (NM_001008564) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Tag Free
Symbol:	NUPL1
Synonyms:	NUP45; NUPL1; PRO2463
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



Fully Sequenced ORF:

>SC301325 representing NM_001008564.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTAGTGAACCGTCAGAAATTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGTCCACAGGGTTCTCCTTCGGGTCGGGACTCTGGGCTCCACCACCGTGGCCGCCGGGGACCAGC
ACAGGCGCGTTTTCTCCTTCGGAACGGGAGCGTCTAGCAACCTTCTGTGGGCTCAATTTGGAAAT
CTTGGAAGTACTTCAACTCCAGCACTACATCTGCTCCTTCAAGTGGTTTTGGAACCGGGCTCTTTGGA
TCTAAACCTGCCACTGGGTTCACTCTAGGAGGAACAAATACAGGAACGCCAGCCACTACATCTGCAGCT
ACAACAGGCTTCAGTTTAGGATTCAATAAACCTGCAGCATCTGCCACACCATTTGCTCTACCTATTACC
TCTACCTCAGCTAGCGGCTGACTCTTTCGTCTGCTCTGACATCAACTCCAGCAGCATCCACAGGATTT
ACTCTAAATAATTTGGGTGGGACACAGCCACAACATACTGCAATCAACAGGCCTCTCTTTAGGGGGA
GCCTTAGCTGGTTTGGGAGGTTCACTTTCCAGAGTACAAACACAGGAACATCAGGACTTGGACAGAAT
GCTTTAGGTTGACTTTGGAACTACAGCAGCTACTTCAACTGCAGGCAATGAAGGCCTTGGTGTATA
GATTTTCAGTAGCTCCTCAGATAAAAGAGTGATAAAACGGGAACAGACCAGAGGATAGTAAAGCTCTG
AAGGATGAAAATCTACCTCCTGTCATCTGCCAGGATGTTGAAAATCTCCAGAAATTTGTGAAGGAGCAG
AAACAAGTTCAAGAAGAAATAGTAGAATGTCTTCAAAGCAATGCTTAAGGTACAAGAAGATATTTAA
GCTCTGAAGCAGCTCCTGTCGTTGGCTGCCAATGGAATACAGAGAAACACTCTCAACATTGACAAATG
AAAATAGAACTGCTCAGGAGTTGAAGAATGCTGAAATAGCTTTAAGAACCCAGAAGACACCACTGGA
CTTCAACATGAATATGCAGCTCCTGCTGACTACTTCAGAATCTTGGTTTCAAGCAATTTGAGGTACAGCTT
CAGCAGTACAGGCAGCAGATTGAAGAACTAGAAAACCATCTTGCCACTCAAGCAAAATATTCACATATA
ACCCCTCAAGATTGTCAATGGCTATGCAGAAAATTTATCAACATTTGTAGCTTTAGCGGCACAACTT
CAGTCTATTGATGAAAATGTAAGGTTCTGAAAGAACAGTACCTTGGCTACAGGAAAATGTTCTTGGGA
GATGCTGTTGATGTGTTTGAACAAGGCGAGCAGAAGCAAGAGTGGCAGAACACACCCAGAGTTACT
ACTGGACCCACTCCTTTAGCACCATGCCAAACGCAGCAGCGTTGCCATGGCTGCAACACTTACACAG
CAGAACAGCCTGCTACAGGGCCACAGCCATCTCTGGAGTTAGTTTTGGAACGCCATTTCGGCTCAGGT
ATTGGCACTGGCTTGAATCAAGTGGCTTAGGTTCTTCAAACCTTGGAGGATTTGGAAGTACGCTCTGT
TTTGGATGCAGCACCACAGGGGCTCCACATTTGGATTGGAACAACAAATAAACCCCTCAGGAAGTCTT
AGTGCAGGCTTTGGCAGCTCAAGTACATCTGGGTTTAACTTCAGCAATCCTGGCATCACGGCATCAGCT
GGTTTGACTTTTGGGTGTCCAATCTGCTCTGCAGGTTTGGAACAGGAGGACAACCTCTTCAGTTG
AAGAACTCCAGCTGGAACAAAAGAGGAAAAAGTAA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGCCCGGC

Restriction Sites:

Sgfl-Mlul

ACCN:

NM_001008564

Insert Size:

1764 bp

OTI Disclaimer:

Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

OTI Annotation:

This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_001008564.1</u>
RefSeq Size:	4299 bp
RefSeq ORF:	1764 bp
Locus ID:	9818
UniProt ID:	<u>Q9BVL2</u>
Cytogenetics:	13q12.13
MW:	59.8 kDa
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] Transcript Variant: This variant (2) lacks an alternate in-frame exon, compared to variant 1, resulting in a shorter protein (isoform b).