

Product datasheet for **SC321343**

Pericentrin 1 (NUP85) (NM_024844) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pericentrin 1 (NUP85) (NM_024844) Human Untagged Clone
Tag:	Tag Free
Symbol:	Pericentrin 1
Synonyms:	FROUNT; NPHS17; Nup75
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_024844.3
GCTCTGAGCGGGAGGCTGAGCGGGAAGCATTGGCGTCCGAGCGACTTCTAGGAGCCTGG
GGTTCCGGCGCTATGGAGGAGCTCGATGGCGAGCCAACAGTCACTTTGATTCCAGGCGTGA
ATTCCAAGAAGAACCAATGTATTTTACTGGGGTCCAGGGGAGATGCTGGTATGTGAAA
CCTCCTTCAACAAAAAGAAAAATCAGAGATGGTGCCAAGTTGCCCTTTATCTATATCA
TCCGTAAGGATGTAGATGTTTACTCTCAAATCTGAGAAAACTTCAATGAATCCCATG
GAATCCTTCTGGGCTCCAGAGAATTGACGAAGAGTTGACTGGAAAATCCAGAAAATCTC
AATTGGTTCGAGTGAGTAAAAACTACCGATCAGTCATCAGAGCATGTATGGAGGAAATGC
ACCAGGTTGCAATTGCTGCTAAAGATCCAGCCAATGGCCGCCAGTTCAGCAGCCAGGTCT
CCATTTTGTGAGCAATGGAGCTCATCTGGAACCTGTGTGAGATTCTTTTTATTGAAGTGG
CCCCAGCTGGCCCTCTCCTCCTCCATCTCCTTGACTGGGTCCGGCTCCATGTGTGCGAGG
TGGACAGTTTGTGCGCAGATGTTCTGGGCAGTGAGAATCCAAGCAAACATGACAGCTTCT
GGAACCTGGTGACCATCTTGGTGTGCAGGGCCGGCTGGATGAGGCCGACAGATGCTCT
CCAAGGAAGCCGATGCCAGCCCCGCTCTGCAGGCATATGCCAATCATGGGGACCTGA
TGAGGACAATGCCATTCTTAGTCTGGGAACACCCAGACACTGACAGAGCTGGAGCTGA
AGTGGCAGCACTGGCAGGAAATGTGAGCGGTACCTCCAGGACAGCACATTCGCCACCA
GCCCTCACCTGGAGTCTCTTGAAGATTATGCTGGGAGACGAAGCTGCCTTGTTAGAGC
AGAAGGAACTTCTGAGTAATTGGTATCATTTTCTAGTGACTCGGCTCTTGTACTCCAATC
CCACAGTAAAACCCATTGATCTGCCTACTATGCCAGTCCAGCCTGGACCTGTTTCTGG
GAGGTGAGAGCAGCCAGAACCCTGGACAACATCTTGTGGCAGCCTTTGAGTTTGACA
TCCATCAAGTAATCAAAGAGTGCAGCATCGCCCTGAGCAACTGGTGGTTTGTGGCCACC
TGACAGACCTGCTGGACCACTGCAAGCTCCTCCAGTCACACAACCTCTATTTTCGGTTCCA
ACATGAGAGAGTTCTCCTGCTGGAGTACGCCTCGGACTGTTTGTCTATCCCAGCCTGT
GGCAGCTGGGGGTCGATTACTTTGATTACTGCCCGAGCTGGGCCGAGTCTCCCTGGAGC
TGACATTGAGCGGATACCTCTGAACACCGAGCAGAAAGCCCTGAAGGTGCTGCGGATCT
GTGAGCAGCGGCAGATGACTGAACAAGTTCGCAGCATTGTGAAGATCTTAGCCATGAAAG
CCGTCCGCAACAATCGCCTGGGTTCTGCCCTCTCTTGGAGCATCCGTGCTAAGGATGCCG
CCTTTGCCACGCTCGTGTGACACAGGTTCTCAGGGATTACTGTGAGCGAGGCTGCTTTT
CTGATTTGGATCTCATTGACAACCTGGGGCCAGCCATGATGCTCAGTGACCGACTGACAT
TCCTGGGAAAGTATCGCGAGTTCACCGTATGTACGGGGAGAAGCGTTTTGCCGACGAG
CTTCTCTCCTTGTCTTGTGATGACGTCTCGGATTGCCCTCGGTCTTTCTGGATGACTC
TGCTGACAGATGCCTTGCCCTTTTGAACAGAAACAGGTGATTTTCTCAGCAGAACAGA
CTTATGAGTTGATGCGGTGTCTGGAGGACTTGACGTCAAGAAGACCTGTGCATGGAGAAT
CTGATACCGAGCAGCTCCAGGATGATGACATAGAGACCACCAAGGTGGAATGCTGAGAC
TTTCTCTGGCAGCAAATCTTGTCTGGGCAATTATAAGAGAAGGCTCACTGGAAAGTTCT
GAGAAGTCTTCAATGTGGTATCTTTGTATGGCAATGTATATAGATTTTTTAAAAGAATA
AATGTTGTTTTGCAAATGTAAAAA

Restriction Sites: Please inquire

ACCN: NM_024844

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:	<ol style="list-style-type: none">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:	<u>NM_024844.3</u> , <u>NP_079120.1</u>
RefSeq Size:	2311 bp
RefSeq ORF:	1971 bp
Locus ID:	79902
UniProt ID:	<u>Q9BW27</u>
Cytogenetics:	17q25.1
Gene Summary:	This gene encodes a protein component of the Nup107-160 subunit of the nuclear pore complex. Nuclear pore complexes are embedded in the nuclear envelope and promote bidirectional transport of macromolecules between the cytoplasm and nucleus. The encoded protein can also bind to the C-terminus of chemokine (C-C motif) receptor 2 (CCR2) and promote chemotaxis of monocytes, thereby participating in the inflammatory response. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Dec 2014] Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1).