

Product datasheet for **SC336972**

Pericentrin 1 (NUP85) (NM_001303276) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pericentrin 1 (NUP85) (NM_001303276) Human Untagged Clone
Tag:	Tag Free
Symbol:	Pericentrin 1
Synonyms:	FROUNT; NPHS17; Nup75
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >SC336972 representing NM_001303276.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGGATCGCC
ATGGTGCCAAGTTGCCCTTTATCTATATCATCCGTAAGGATGTAGATGTTTACTCTCAAATCTTGAGA
AAACTCTTCAATGAATCCCATGGAACTTTCTGGGCTCCAGAGAATTGACGAAGAGTTGACTGGAAAA
TCCAGAAAATCTCAATTGGTTCGAGTGAGTAAAACTACCGATCAGTCATCAGAGCATGTATGGAGGAA
ATGCACCAGGTTGCAATTGCTGCTAAAGATCCAGCCAATGGCCGCCAGTTCAGCAGCCAGGTCCTCATT
TTGTCAGCAATGGAGCTCATCTGGAACCTGTGTGAGATTCTTTTTATTGAAGTGGCCCCAGCTGGCCCT
CTCCTCTCCATCTCTTGACTGGGTCCGGCTCCATGTGTGCGAGGTGGACAGTTTGTGGCAGATGTT
CTGGGCAGTGAGAATCCAAGCAAACATGACAGCTTCTGGAACCTGGTGACCATCTGGTGTGCAGGGC
CGGCTGGATGAGGCCGACAGATGCTCTCAAGGAAGCCGATGCCAGCCCCGCTCTGCAGGCATATGC
CGAATCATGGGGACCTGATGAGGACAATGCCATTCTTAGTCCCGGGAACCCAGACACTGACAGAG
CTGGAGCTGAAGTGGCAGCACTGGCAGCAGGAATGTGAGCGGTACCTCCAGGACAGCACATTCGCCACC
AGCCCTCACCTGGAGTCTCTCTTGAAGATTATGCTGGGAGACGAAGCTGCCTTGTAGAGCAGAAGGAA
CTTCTGAGTAATTGGTATCATTTCCTAGTGACTCGGCTCTTGTACTCCAATCCCACAGTAAAACCCATT
GATCTGCACTACTATGCCAGTCCAGCCTGGACCTGTTTCTGGGAGGTGAGAGCAGCCCAGAACCCTG
GACAACATCTTGTGGCAGCCTTTGAGTTTGACATCCATCAAGTAATCAAAGAGTGCAGCATCGCCCTG
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CTCTATTTCCGTTCCAACATGAGAGAGTTCCCTCTGCTGGAGTACGCCTCGGGACTGTTTGTCTATCCC
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CACATTGAGCGGATACCTCTGAACACCGAGCAGAAAGCCCTGAAGGTGCTGCGGATCTGTGAGCAGCGG
CAGATGACTGAACAAGTTCGAGCATTTGTAAAGATCTTAGCCATGAAAGCCGTCGCCAACATCGCCTG
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CTCAGGGATTACTGTGAGCGAGGCTGCTTTTCTGATTTGGATCTCATTGACAACCTGGGGCCAGCCATG
ATGCTCAGTGACCGACTGACATTCCTGGGAAAGTATCGCGAGTCCACCGTATGTACGGGAGAAGCGT
TTTGCCGACGCAGCTTCTCTCTTCTGCTTGTGACGCTCTCGGATTGCCCTCGGTCTTTCTGGATG
ACTCTGCTGACAGACGCCTTGGCCCTTTGGAACAGAAACAGGTGATTTTCTCAGCAGAACAGACTTAT
GAGTTGATGCGGTGTCTGGAGACTTGACGTCAAGAAGACCTGTGCATGGAGAATCTGATACCGAGCAG
CTCCAGGATGATGACATAGAGACCACCAAGGTGGAATGCTGAGACTTTCTCTGGCAGAAATCTTGTCT
CGGGCAATTATAAGAGAAGGCTCACTGGAAGGTTCCTGA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTAAACGGCCGGC
  
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Restriction Sites: SgfI-MluI

ACCN: NM_001303276

Insert Size: 1833 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).

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_001303276.1](#)

RefSeq Size: 2285 bp

RefSeq ORF: 1833 bp

Locus ID: 79902

UniProt ID: [Q9BW27](#)

Cytogenetics: 17q25.1

MW: 69.8 kDa

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 (2) lacks an alternate exon in the 5' region and initiates translation at a downstream start codon, compared to variant 1. The encoded isoform (2) has a shorter N-terminus than isoform 1.