

Product datasheet for **SC126460**

Nesprin3 (SYNE3) (BC061899) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Nesprin3 (SYNE3) (BC061899) Human Untagged Clone
Tag:	Tag Free
Symbol:	Nesprin3
Synonyms:	chromosome 14 open reading frame 49; FLJ25605; MGC75267; nesprin-3
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for BC061899 edited
 CTAGAAGACATCAAAGTGCCTGTTTTACAGCAAGGGTTGGCAGACTGTTTCTGTGAAGGGC
 CAGACAGTGAAGTTTTAGAGTCTGCAGGGCAGGCAGTCGCTGTCGAGCTCCTCAGCGC
 CACCACTGCAGCTATAAATGTATGGGCATGGCTGGGTTCTATAAACTTTATTTACAAA
 AACAGGCCTCTGGTGGGATTTGGTCGGTGGGTGGAGGGTGTAGCTTGCCCCAGTTCTGG
 AGGGATGTGGCCAAAGTGTCTGTGAGGACGCTGTAGTGACCCTAAAGAGAGGCACCCAA
 CTCCATCAGGGCTCAGGGAAGGCTTCTGGAGGGGGTGGCGCCTGAATGAGCATGAGCTG
 GCCGAGACGAAGAGCAGCCTGGCTGAACGGTTCGGGTCTCACAACACGGTGTCTATGAGG
 AACGCTCTTAATGTGCACACTGCCTGTGTCTGCAGAGCCTGCTCGCTCAGCACAAGAGC
 TTTGGAGCAGCTTTTGAGCCCTGCAGAGGAAGCTCTTGACCTCCAGGTCAGGGTCCAA
 GCCGAGAAGGGGTTTTCAGCGGGACCTTCTGAAAACAGGCCAGCTCTCAAGGTTGCAG
 GTGAGGGGTCTGTGAGGCCTGAATCACTCCTGCCAGGTGCTCAGCTGCACCTGGAAGCA
 GCGTCTCCCTCTAGCAGTAACCAGCAAAGCAACAGCTGCCGTGAGCCAGAAATTTAGACC
 CTTAGTTGAGATCTGACCTTTCACCTCAACAGAACCTCTGCTTATTTATCTGATGGTTCC
 TGACCTCAACAAGTCTGAGCTTTGAGCTCAGCAAAATGACAACTGCTTTTCTGTTTACTC
 CTCAGTTCCAAAGTCTAACATTGGTATTTGTTTTAGAATTGCTTTGCTAAGTATTCTTA
 ATGAGTCCAGAGGTTCAGTTAAACCACTTTGGGATTAAGAATAAATGTTCTGAAACG
 TGGACTGTAAAAAAAAAAAAAAAA



[View online »](#)

5' Read Nucleotide Sequence:	>OriGene 5' read for BC061899 unedited NGGGCGGTTTCAGATTTTGTAAATACGACTTACTATAGGCGGACCGCGATTTCAGATCTGGTACCGGTCCGGAATCCCGGGATATCGTCGACCCACGCGTCCGCTAGAAGACATCAAAGTGC TGTTTTACAGCAAGGGTTGGCAGACTGTTTCTGTGAAGGGCCAGACAGTGAAGGTTTTAG AGTCTGCAGGGCAGGCAGTTCGCTGTCGACGCTCCTCAGCGCCACCACTGCAGCTATAAAT GTATGGGCATGGCTGGGTTCTATAAACTTTATTTACAAAAACAGGCCTCTGGTGGGAT TTGGTCGGTGGGTGGAGGGGTGAGCTTGCCCCAGTTCTGGAGGGATGTGGCCAAAGTGT TCTGTGAGGACGCTGTAGTGACCCTAAAGAGAGGCACCCAACTCCATCAGGGCTCAGGGA AGGCTTCTGGAGGGGTGGCGCCTGAATGAGCATGAGCTGGCCGAGACGAAGAGCAGCC TGGCTGAACGGGTCCGGTCTCACAACACGGTGCTCATGAGGAACGCTCTTAATGTGCACA CTGTCCTGTGCTGCAGAGCCTGCTCGCTCAGCACAAAGACTTTGGAGCAGCTTTTGAGC CCCTGCAGAGGAAGCTCTTGACCTCCAGGTCAAGGTCAGGGTCCAAGCCGAGAAGGGGCTCAGC GGGACCTTCTGGANAACAGGCCAGCTCTCAAGGTTGCAGGTGAGGGGTCTGTGAGGCC TGAATCACTCCTCCCAGGTGCTCAGCTGCACCTGGAAGCAGCGTCTCCCTCTAGCAGTA ACCAGCAAAGCAACAGCTGCCGTGAGCCAGAAATTTAGACCCTTAGTTGAGATCTGACCT TTTACCTCACAGAACCTCTGCTATTTATCTGATGGGTCTGACCTCAAACAACCTG
Restriction Sites:	Please inquire
ACCN:	BC061899
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:	<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:	BC061899.1 , AAH61899.1
RefSeq Size:	983 bp
RefSeq ORF:	201 bp
Locus ID:	161176
Cytogenetics:	14q32.13
Protein Families:	Transmembrane

Gene Summary:

As a component of the LINC (Linker of Nucleoskeleton and Cytoskeleton) complex involved in the connection between the nuclear lamina and the cytoskeleton. The nucleocytoplasmic interactions established by the LINC complex play an important role in the transmission of mechanical forces across the nuclear envelope and in nuclear movement and positioning. Probable anchoring protein which tethers the nucleus to the cytoskeleton by binding PLEC which can associate with the intermediate filament system. Plays a role in the regulation of aortic epithelial cell morphology, and is required for flow-induced centrosome polarization and directional migration in aortic endothelial cells.[UniProtKB/Swiss-Prot Function]