

Product datasheet for **SC328126**

Nesprin 2 (SYNE2) (NM_182914) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Nesprin 2 (SYNE2) (NM_182914) Human Untagged Clone
Tag:	Tag Free
Symbol:	SYNE2
Synonyms:	EDMD5; KASH2; Nesp2; Nesprin-2; NUA; NUANCE; SYNE-2; TROPH
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_182914, the custom clone sequence may differ by one or more nucleotides

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 GACTACAGCTGCACTCAGGCCAACAACTTTGCCGGTCCTTTTACCCCATGCTGAGGTAC
 ACCAATGGGCCACCCCCACA

Restriction Sites: Please inquire

ACCN: NM_182914

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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.

RefSeq: [NM_182914.2](#), [NP_878918.2](#)

RefSeq Size: 21882 bp

RefSeq ORF: 20724 bp

Locus ID: 23224

UniProt ID: [Q8WXH0](#)

Cytogenetics: 14q23.2

Protein Families: Druggable Genome, Transcription Factors

Gene Summary: The protein encoded by this gene is a nuclear outer membrane protein that binds cytoplasmic F-actin. This binding tethers the nucleus to the cytoskeleton and aids in the maintenance of the structural integrity of the nucleus. Several transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Mar 2009]
Transcript Variant: This variant (5) represents the longest transcript and encodes the longest isoform (5). Sequence Note: This RefSeq record was created from transcript and genomic sequence data because no single transcript was available for the full length of the gene. The extent of this transcript is supported by transcript alignments.