

Product datasheet for **SC338127**

NuMA (NUMA1) (NM_001286561) Human Untagged Clone

Product data:

| | |
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| Product Type: | Expression Plasmids |
| Product Name: | NuMA (NUMA1) (NM_001286561) Human Untagged Clone |
| Tag: | Tag Free |
| Symbol: | NUMA1 |
| Synonyms: | NMP-22; NUMA |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |
| Fully Sequenced ORF: | >NCBI ORF sequence for NM_001286561, the custom clone sequence may differ by one or more nucleotides |

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CACTAA
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Restriction Sites: SgfI-MluI

ACCN: NM_001286561

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_001286561.1](#), [NP_001273490.1](#)

RefSeq Size: 7431 bp

RefSeq ORF: 6306 bp

Locus ID: 4926

UniProt ID: [Q14980](#)

Cytogenetics: 11q13.4

Gene Summary:

This gene encodes a large protein that forms a structural component of the nuclear matrix. The encoded protein interacts with microtubules and plays a role in the formation and organization of the mitotic spindle during cell division. Chromosomal translocation of this gene with the RARA (retinoic acid receptor, alpha) gene on chromosome 17 have been detected in patients with acute promyelocytic leukemia. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Nov 2013]

Transcript Variant: This variant (2) differs in the 5' UTR and lacks an alternate in-frame exon, compared to variant 1. The encoded isoform (2) is shorter than isoform 1.