

Product datasheet for SC304261

DNMBP (NM_015221) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DNMBP (NM_015221) Human Untagged Clone
Tag:	Tag Free
Symbol:	DNMBP
Synonyms:	ARHGEF36; CTRCT48; TUBA
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC304261 representing NM_015221. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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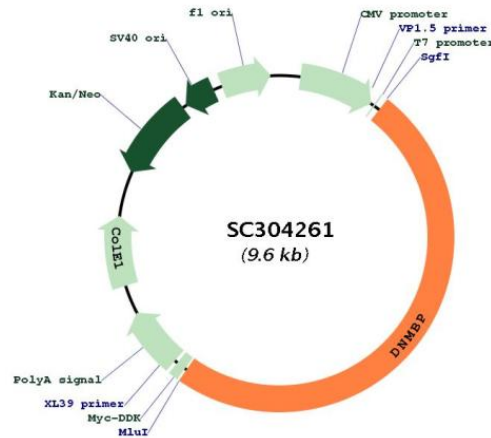


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Restriction Sites:

SgfI-MluI

Plasmid Map:


ACCN: NM_015221

Insert Size: 4734 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).

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_015221.3](#)

RefSeq Size: 6454 bp

RefSeq ORF: 4734 bp

Locus ID: 23268

UniProt ID: [Q6XZF7](#)

Cytogenetics: 10q24.2

MW: 177.3 kDa

Gene Summary: This gene encodes a protein belonging to the guanine nucleotide exchange factor family, and which regulates the configuration of cell junctions. It contains multiple binding sites for dynamin and thus links dynamin to actin regulatory proteins. Polymorphisms in this gene have been linked to Alzheimer's disease in some populations, though there are conflicting reports of such linkages in other populations. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Dec 2015]
Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (a).