

Product datasheet for **SC336775**

Dynamin 3 (DNM3) (NM_001278252) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Dynamin 3 (DNM3) (NM_001278252) Human Untagged Clone
Tag:	Tag Free
Symbol:	DNM3
Synonyms:	Dyna III
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

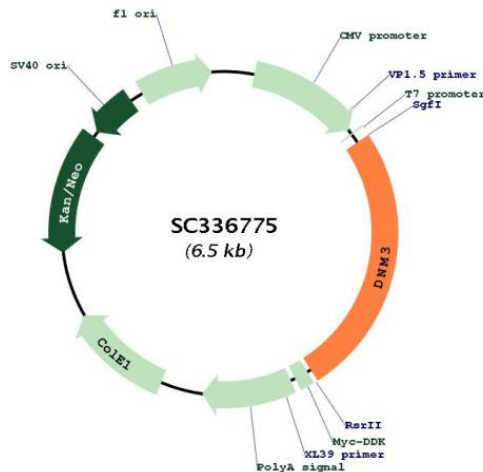


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Fully Sequenced ORF: >SC336775 representing NM_001278252.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGCATCGCC
ATGGGGAACCGGGAGATGGAGGAGCTGATCCCGCTGGTGAACCGTCTGCAGGACGCGTTTTTCGGCGCTG
GGACAGAGCTGCCTGCTGGAGCTGCCGCAGATCGCCGTGGTGGCGGCCAGAGCGCCGGCAAGACTCG
GTGCTCGAGAACTTCGTGGGCAGGGACTTCTCCCTCGAGGGTCGGGCATTGTAACAAGACGACCTTT
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GAGAACATTAG
AGCGGACCGACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGAT
ATCCTGGATTACAAGGATGACGACGATAAGGTTTAA
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Restriction Sites: SgfI-RsrII

Plasmid Map:


ACCN: NM_001278252

Insert Size: 1668 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_001278252.1](#)

RefSeq Size: 2354 bp

RefSeq ORF: 1668 bp

Locus ID: 26052

UniProt ID: [Q9UQ16](#)

Cytogenetics: 1q24.3

Protein Pathways: Endocytosis, Fc gamma R-mediated phagocytosis

MW: 62.8 kDa

Gene Summary:

This gene encodes a member of a family of guanosine triphosphate (GTP)-binding proteins that associate with microtubules and are involved in vesicular transport. The encoded protein functions in the development of megakaryocytes. Alternative splicing results in multiple transcript variants. [provided by RefSeq, May 2013]

Transcript Variant: This variant (3) lacks multiple 3' coding exons and contains an alternate 3' exon, resulting in a distinct 3' coding region and 3' UTR, compared to variant 1. The encoded isoform (c) is shorter and has a distinct C-terminus, compared to isoform a.