

Product datasheet for **SC100449**

Dynamin 3 (DNM3) (NM_015569) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Dynamin 3 (DNM3) (NM_015569) Human Untagged Clone
Tag:	Tag Free
Symbol:	Dynamin 3
Synonyms:	Dyna III
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF:

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>OriGene ORF sequence for NM_015569 edited
ATGGGGAACCGGGAGATGGAGGAGCTGATCCCGCTGGTGAACCGTCTGCAGGACGCGTTT
TCGGCGCTGGGACAGAGCTGCCTGCTGGAGCTGCCGCAGATCGCCGTGGTGGCGGCCAG
AGCGCCGGCAAGAGCTCGGTGCTCGAGAACTTCGTGGGCAGGGACTTTCTCCCTCGAGGG
TCGGGCATTGTAACAAGACGACCTCTTGTGCTGCAGCTTGTTACTTCTAAAGCAGAATAT
GCCGAGTTTCTACATTGCAAAGGAAAGAAATTTACAGATTTTGATGAAGTTCGCCTTGAG
ATTGAAGCAGAAAACAGATCGCGTGACTGGAATGAATAAAGGCATTTCTCCATACCCATT
AATTTACGAGTCTATCCCCACACGTGTTAAATCTAACCCTTATTGATCTACCTGGAATA
ACTAAAGTGCCTGTGGGAGATCAGCCACCAGATATCGAGTATCAGATCAGAGAAATGATT
ATGCAGTTCATCACGAGGGGAGAACTGTCTGATTTTAGCTGTTACTCCAGCCAACACTGAT
CTTGCAAACCTCAGATGCGCTGAAGCTAGCTAAAGAAGTTGATCCTCAAGGTCTGAGAACC
ATTGGAGTTATCACCAAACCTGGACCTTATGGATGAAGGAACGGATGCCAGGGATGTTCTA
GAGAACAAACTGTTGCCCTCTTCGAGGGGTTACGTGGGGTGGTAAACAGAAGCCAGAAG
GACATAGATGGGAAGAAGGACATAAAGGCAGCCATGCTGGCAGAGAGGAAGTTTTCTT
TCCCACCCGGCTTACAGACATATCGCTGACCGAATGGGAACCCACACCTGCAGAAGGTC
CTTAATCAGCAACTTACCAACCACATTCGGGATACCCTACCAAACCTCAGGAACAAACTA
CAGGGACAGTTGCTCTCCATAGAACATGAAGTAGAAGCCTACAAAAATTTCAAACCGAA
GACCCAACAAGGAAGACCAAGCATTGCTGCAGATGGTTCAGCAATTTGCTGTGGACTTT
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AAAATCAATCGTATTTTTCATGAACGCTTCTCTTTGAGATAGTAAAGATGGAGTTCAAT
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GAAAACCTTTCCATGGACCCACAATTGGAGAGGCAAGTGGAGACCATTGCAACCTCGTA
GACTCCTACATGTCCATTATCAACAAATGTATCCGAGATCTAATTCAAAAACAATAATG
CACCTTATGATCAATAACGTTAAAGATTTCAATAATTCGAGCTCCTAGCACAGTTGAT
TCTTCAGAGGACCAAAAATACCCTGATGGAGGAATCTGCTGAGCAGGCTCAGCGCCGGGAT
GAGATGCTTCGAATGTATCAAGCACTGAAAGAAGCCCTTGGGATAATTGGGGACATCAGC
ACAGCCACCGTGTCCACTCCGGCACCCCTCCAGTGGATGACTCCTGGATACAGCACTCT
CGCAGGTCACCTCCTCAAGCCCCACAACCCAAAGGAGGCCAACACTAAGTGTCCCTC
GCAAGGCCACATCCGGCCGAGGACCAGCTCCTGCCATTCCCTCTCTGGCCCCACTCT
GGGGCTCCTCAGTCCCATTCCGTCCAGGCCATTACCTCCTTTCCCAGCAGCAGTGAC
TCCTTCGGAGCCCTCCACAAGTTCCATCTAGGCCTACGAGGGCCCCGCCAGTGTCCCA
AGCCGGAGACCACCCCATCACCAACTCGTCCCCTATAATCCGCCCACTAGAATCTCC
CTGTTAGACTAA
    
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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_015569 unedited
 ATAGGGCGGCCGCGAATTCGGCACGAGGCTCCGACGTCTGCGCCAGGACCTGGCTGGCTG
 AGCCCCGGCGCAGCAGCAGCAGCCAGGGCAGCGCGGCCCTACTCCCTGTCAGGTCGTAGA
 GGCGAGCAGGGACCAGCTGGTCGCCGGCCCTCGGGCAAGATGGGGAACCGGGAGATGGA
 GGAGCTGATCCCCTGGTGAACCGTCTGCAGGACGCGTTTTTCGGCGCTGGGACAGAGCTG
 CCTGTGGAGCTGCCGCAGATCGCCGTGGTGGCGGCCAGAGCGCCGGCAAGAGCTCGGT
 GCTCGAGAACTTCGTGGCAGGACTTTCTCCCTCGAGGGTCGGGCATTGTAACAAGACG
 ACCTCTTGTGCTGCAGCTTGTACTTCTAAAGCAGAATATGCCGAGTTTCTACATTGCAA
 AGGAAAGAAATTTACAGATTTTGTGAAGTTTCGCTTGAGATTGAAGCAGAAACAGATCG
 CGTGACTGGAATGAATAAAGGCATTTCCCTCCATACCCATTAATTTACGAGTCTATTCCCC
 ACACGTGTTAAATCTAACCCTTATTGATCTACCTGGAATAACTAAAGTGCCTGTGGGAGA
 TCAGCCACCAGATATCGAGTATCAGATCAGAGAAATGATTATGCAGTTCATCACGAGGGA
 GAACTGTCTGATTNTAGCTGTTACTCCAGCCAACACTGATCTTGCAAACCTCAGATGCGCT
 GAAGCTAGCTAAAGAAGNTGATCCCTCAGGTCTGAGAACATTGGAGTTATCACCAAACCTG
 GACCTTATGGATGAAGGAACGGATGCCAGGGATGTTCTAGAGACANACTGTTGCCTCTCG
 CAGGGGTACGTGGGGTGGTAACAGAGCCAGAGGACTAGATGGGAAGAAG

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_015569 unedited
 CATGGACCGCGCCGCAATCTANGATCGGTTTTTTTTTTTTTTTTTTTACTTCTACCATAG
 NAGGAAAATGACTATGTATATCAACTTGGCTTTTTAAGATTCAGCTCAGCAATCCAAAA
 ATAATTTATAATCCAATTAGAGATCTTAAAGATAGGTCTCCAGAGGTTTTACTTCTTAC
 CGAAAAATATTGTCAAAGGTAATTCCTTCTTAGATTCAGATCTTCTTGTGGATTCAGATA
 CAAATGTCTATGGACATTACCATGTTGTCATGGTAATTATGAGCTTTGTACCTCTCAAAA
 TGACTACAATCTGGAGTTAGAAAATTTGTATACCTCATATATGTTATGAGAAATGAACT
 ATTGTTACCACATGTTATGGCAGATCATTCAAAGCTATCTGTTGTATTATCACAGTTTAA
 AAAATATCCTGATACCACACATACTAAGTACATGTATACATAGATATTTACAACCATACA
 TATACATATATTTATATATACACACAGTGCACATACAATCACACTCATGCTTGTGGCA
 TTTTAACTAGTATTTTTAAAACCTACCTACCTACTCAAATGGACATAAAAATACACATACT
 TACAGAAACATACTTACTAGGTATATGCCATATACACAGAGACACATGCATAGAAAATGT
 GTTTGTACACAGAAAACATCAACATTTATCACATACTGGTATTANGTCCCATTTCATATT
 TGAGAATTATGGCTACAGTCTATACTAAAAAGTCACAAAATTAATCTATGTGACCACTTT
 TTAAGTCTAAGTCGAGAAGGCTTACAGTTACATCACAGGGACTGGTTNCATTAATATACC
 TTAGAAAAAGTGAGTTTTGTTGGACAAAATAGGAATTTGCTAATAACAGACCTACTGCTC
 GTCTATGTATAAACACGGCTAAAGCATATTCGACGATACCTTGGTAGAGTTTTTAGAAAG
 CATATACTTTCTAATCAACATT

Restriction Sites:

NotI-NotI

ACCN:

NM_015569

Insert Size:

6000 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:	<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:	NM_015569.2 , NP_056384.2
RefSeq Size:	7644 bp
RefSeq ORF:	2592 bp
Locus ID:	26052
UniProt ID:	Q9UQ16
Cytogenetics:	1q24.3
Domains:	dynammin_2, dynammin, PH, GED
Protein Pathways:	Endocytosis, Fc gamma R-mediated phagocytosis
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (a). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>