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# Product datasheet for RC227774

## Dynamin 3 (DNM3) (NM_001136127) Human Tagged ORF Clone

### Product data:

| | |
|---|---|
| **Product Type:** | Expression Plasmids |
| **Product Name:** | Dynamin 3 (DNM3) (NM_001136127) Human Tagged ORF Clone |
| **Tag:** | Myc-DDK |
| **Symbol:** | Dynamin 3 |
| **Synonyms:** | Dyna III |
| **Mammalian Cell Selection:** | Neomycin |
| **Vector:** | pCMV6-Entry (PS100001) |
| **E. coli Selection:** | Kanamycin (25 ug/mL) |

**ORF Nucleotide Sequence:**

>RC227774 representing NM_001136127
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGGGAACCGGGAGATGGAGGAGCTGATCCCGCTGGTGAACCGTCTGCAGGACGCGTTTTCGGCGCTGG
GACAGAGCTGCCTGCTGGAGCTGCCGCAGATCGCCGTGGTGGGCGGCCAGAGCGCCGGCAAGAGCTCGGT
GCTCGAGAACTTCGTGGGCAGGGACTTTCTCCCTCGAGGGTCGGGCATTGTAACAAGACGACCTCTTGTG
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TTGATGAAGTTCGCCTTGAGATTGAAGCAGAAACAGATCGCGTGACTGGAATGAATAAAGGCATTTCCTC
CATACCCATTAATTTACGAGTCTATTCCCCACACGTGTTAAATCTAACCCTTATTGATCTACCTGGAATA
ACTAAAGTGCCTGTGGGAGATCAGCCACCAGATATCGAGTATCAGATCAGAGAAATGATTATGCAGTTCA
TCACGAGGGAGAACTGTCTGATTTTAGCTGTTACTCCAGCCAACACTGATCTTGCAAACTCAGATGCGCT
GAAGCTAGCTAAAGAAGTTGATCCTCAAGGTCTGAGAACCATTGGAGTTATCACCAAACTGGACCTTATG
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GAAGACTTCATTGGCTTCGCAAATGCTCAGCAGAGGAGCAGTCAGGTTCACAAGAAAACCACAGTTGGAA
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TCTTTAATACAGAGCAAAGGAATGTATACAAAGACTATCGCTTCCTTGAGCTGGCATGTGATTCCCAGGA
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CACTGAAAGAAGCCCTTGGGATAATTGGGGACATCAGCACAGCCACCGTGTCCACTCCGGCACCCCCTCC
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CCCCCATCACCAACTCGTCCCACTATAATCCGCCCACTAGAATCCTCCCTGTTAGAC

AGCGGACCGACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
TGGATTACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RC227774 representing NM_001136127
Red=Cloning site Green=Tags(s)

MGNREMEELIPLVNRLQDAFSALGQSCLLELPQIAVVGGQSAGKSSVLENFVGRDFLPRGSGIVTRRPLV
LQLVTSKAEYAEFLHCKGKKFTDFDEVRLEIEAETDRVTGMNKGISSIPINLRVYSPHVLNLTLIDLPGI
TKVPVGDQPPDIEYQIREMIMQFITRENCLILAVTPANTDLANSDALKLAKEVDPQGLRTIGVITKLDLM
DEGTDARDVLENKLLPLRRGYVGVVNRSQKDIDGKKDIKAAMLAERKFFLSHPAYRHIADRMGTPHLQKV
LNQQLTNHIRDTLPNFRNKLQGQLLSIEHEVEAYKNFKPEDPTRKTKALLQMVQQFAVDFEKRIEGSGDQ
VDTLELSGGAKINRIFHERFPFEIVKMEFNEKELRREISYAIKNIHGIRTGLFTPDMAFEAIVKKQIVKL
KGPSLKSVDLVIQELINTVKKCTKKLANFPRLCEETERIVANHIREREGKTKDQVLLLIDIQVSYINTNH
EDFIGFANAQQRSSQVHKKTTVGNQVIRKGWLTISNIGIMKGGSKGYWFVLTAESLSWYKDDEEKEKKYM
LPLDNLKVRDVEKSFMSSKHIFALFNTEQRNVYKDYRFLELACDSQEDVDSWKASLLRAGVYPDKSVAEN
DENGQAENFSMDPQLERQVETIRNLVDSYMSIINKCIRDLIPKTIMHLMINNVKDFINSELLAQLYSSED
QNTLMEESAEQAQRRDEMLRMYQALKEALGIIGDISTATVSTPAPPPVDDSWIQHSRRSPPPSPTTQRRP
TLSAPLARPTSGRGPAPAIPSPGPHSGAPPVPFRPGPLPPFPSSSDSFGAPPQVPSRPTRAPPSVPSRRP
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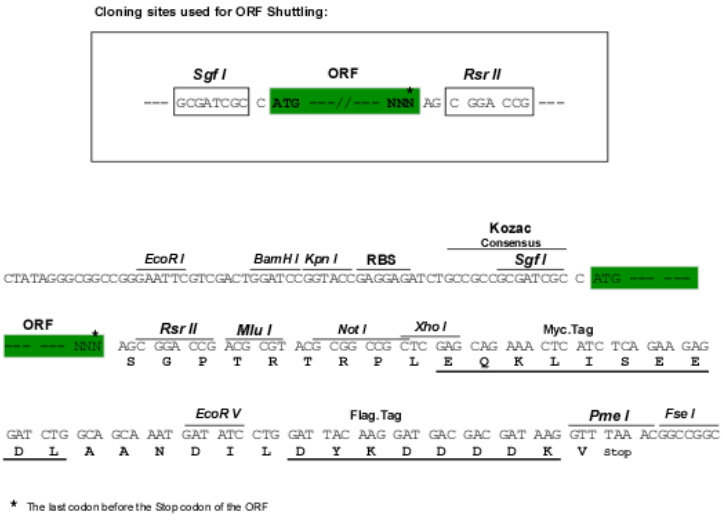
SGPTRTRRLEQKLISEEDLAANDILDYKDDDDKV

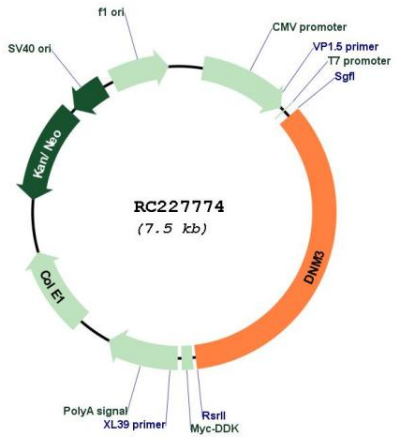
**Restriction Sites:** SgfI-RsrII

**Cloning Scheme:**



| | |
|---|---|
| **ACCN:** | NM_001136127 |
| **ORF Size:** | 2577 bp |
| **OTI Disclaimer:** | The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info |
| **OTI Annotation:** | This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene. |
| **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.<br>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.<br>3. Close the tube and incubate for 10 minutes at room temperature.<br>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.<br>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_001136127.3 |
| **RefSeq ORF:** | 2580 bp |
| **Locus ID:** | 26052 |
| **UniProt ID:** | Q9UQ16 |
| **Cytogenetics:** | 1q24.3 |
| **Protein Pathways:** | Endocytosis, Fc gamma R-mediated phagocytosis |
| **MW:** | 96.5 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] |

## Product images:




Circular map for RC227774