

Product datasheet for **RG227774**

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:	TurboGFP
Symbol:	DNM3
Synonyms:	Dyna III
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG227774 representing NM_001136127
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGGGAACCGGGAGATGGAGGAGCTGATCCCCTGGTGAACCGTCTGCAGGACGCGTTTTTCGGCGCTGG
 GACAGAGCTGCCTGCTGGAGCTGCCGAGATCGCCGTGGTGGCGGCCAGAGCGCCGCAAGAGCTCGGT
 GCTCGAGAACTTCGTGGGACGGGACTTTCTCCCTCGAGGGTGGGCATTGTAACAAGACGACCTCTGTG
 CTGCAGCTTGTACTTCTAAAGCAGAATATGCCGAGTTTCTACATTGCAAAGGAAAGAAATTTACAGATT
 TTGATGAAGTTCGCCTTGAGATTGAAGCAGAAACAGATCGCGTACTGGAATGAATAAAGGCATTTCTC
 CATACCCATTAATTTACGAGTCTATTTCCACACGTGTTAAATCTAACCTTATTGATCTACCTGGAATA
 ACTAAAGTGCCTGTGGGAGATCAGCCACCAGATATCGAGTATCAGATCAGAGAAATGATTATGCAGTTCA
 TCACGAGGGAGAACTGTCTGATTTTAGCTGTTACTCCAGCCAACACTGATCTTGCAAACTCAGATGCGCT
 GAAGCTAGCTAAAGAAGTTGATCCTCAAGTCTGAGAACCATTGGAGTTATCACCAAACCTGGACCTTATG
 GATGAAGGAACGGATGCCAGGGATGTTCTAGAGAACAAACTGTTGCCTCTTCGCAGGGGTTACGTGGGGG
 TGGTAAACAGAAGCCAGAAGGACATAGATGGGAAGAAGGACATAAAGGCAGCCATGCTGGCAGAGAGGAA
 GTTTTTCTTTCCACCCGGCTTACAGACATATCGCTGACCGAATGGGAACCCACACCTGCAGAAGGTC
 CTTAATCAGCAACTTACCAACCACATTCGGGATACCTACCAAACCTCAGGAACAAACTACAGGGACAGT
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 AGCATTGCTGCAGATGGTTCAGCAATTTGCTGTGGACTTTGAGAAGAGAATTGAAGGGTCAGGGGATCAA
 GTAGTACCCTGGAACCTCAGGTGGTGTAAAATCAATCGTATTTTTCATGAACGCTTTCTTTTGAGA
 TAGTAAAGATGGAGTTCAATGAGAAAGAATTGCGAAGAGAAATAAGCTATGCAATCAAAAACATACATGG
 TATCAGGACAGGGTTGTTTACTCCAGACATGGCATTGGAAGCGATAGTCAAGAAACAGATTGTAAGTTG
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 GAAGACTTCATTGGCTTCGCAAATGCTCAGCAGAGGAGCAGTCAAGTTTACAAGAAAACACAGTTGGAA
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 CTGTTTCGTCTTACTGCGGAAAGCTTGTCTGGTATAAAGATGATGAGGAAAAAGAAAAGAAGTACATG
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 TCTTTAATACAGAGCAAAGGAATGTATACAAGACTATCGCTTCCCTTGGCTGGCATGTGATTCCCAGGA
 GGATGTCGACAGCTGGAAGGCATCTCTACTAAGAGCTGGGGTCTATCCTGACAAATCTGTAGCTGAAAT
 GATGAGAATGGACAAGCAGAAAACCTTTCCATGGACCCACAATTGGAGAGGCAAGTGGAGACCATTTCGA
 ACCTCGTAGACTCCTACATGTCCATTATCAACAAATGTATCCGAGATCTAATTCAAAAACAATAATGCA
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 CAAAATACCCTGATGGAGGAATCTGCTGAGCAGGCTCAGCGCCGGGATGAGATGCTTCGAATGTATCAAG
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 AGTGGATGACTCCTGGATACAGCACTCTGCAGGTCACCTCCTCAAGCCCCACAACCCAAAGGAGGCCA
 AACTAAAGTGTCCCTCGCAAGGCCACATCCGGCCGAGGACCAGCTCCTGCCATTCCTCTCCTGGCC
 CCCACTCTGGGGCTCCTCCAGTCCATTCCGTCCAGGCCATTACCTCCTTTCCCAGCAGCAGTGACTC
 CTTCCGAGCCCTCCACAAGTTCATCTAGGCCTACGAGGGCCCCGCCAGTGTCCCAAGCCGGAGACCA
 CCCCCATACCAACTCGTCCACTATAATCCGCCACTAGAATCCTCCTGTTAGAC

AG**CGGACCG**ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG227774 representing NM_001136127
Red=Cloning site Green=Tags(s)

MGNREMEELIPLVNRLQDAFSALGQSCLLELPQIAVVGGSAGKSSVLENFVGRDFLPRGSGIVTRRPLV
LQLVTSKAEYAEFLHCKGKKFTDFDEVRLIEAETDRVTGMNKGISSIPINLRVYSPHVLNLTIDLPGI
TKVPVGDQPPDIEYQIREMIMQFITRENCLILAVTPANTDLANSALKLAKEVDPQGLRTIGVITKLDLM
DEGTDARDVLENKLLPLRRGYGVVNRSQKDIDGKKDIKAAMLAERKFFLSHPAYRHIADRMGTPHLQKV
LNQQLTNHIRDTLPNFRNKLQGQLLSIEHEVEAYKNFKPEDPTRKTKALLQMVQQF AVDFEKRIEGSGDQ
VDTLELSGGAKINRIFHERFPFEIVKMEFNEKELRREISYAIKNIHGIRTGLFTPDMAFEAIVKKQIVKL
KGP SLKSVDLVIQELINTVKKCTKLANFPRLCEETERIVANHIREREGTKDQVLLLLIDIQVSYINTNH
EDFIGFANAQQRSSQVHKTTVGNQVIRKGWLTISNIGIMKGGSKGYWVFLTAESLSWYKDDEEKEKKYM
LPLDNLKVRDVEKSFMSKHFALFNTEQRNVYKDYRFLELACDSQEDVDSWKASLLRAGVYDPKSAEN
DENGQAENFSMDPQLERQVETIRNLVDSYMSIINKCIRDLPKTIHMLINNVKDFINSELLAQLYSSD
QNTLMEEAEQAQRREMLRMYQALKEALGIIGDISTATVSTPAPPVDDSWIQHSRRSPPPSPTTQRRP
TLSAPLARPTSGRGPAPAIPSPGPHSGAPPVFRPGPLPPFPSSSDSFGAPPQVPSRPTRAPPSVPSRRP
PPSPTRPTIIRPLESSLLD

SGPTRRRLE - GFP Tag - V

Restriction Sites: Sgfl-RsrII

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:	<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_001136127.3
RefSeq Size:	7647 bp
RefSeq ORF:	2580 bp
Locus ID:	26052
UniProt ID:	Q9UQ16
Cytogenetics:	1q24.3
Protein Pathways:	Endocytosis, Fc gamma R-mediated phagocytosis
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]