

Product datasheet for **RG239743**

SH3D20 (ARHGAP27) (NM_001282290) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SH3D20 (ARHGAP27) (NM_001282290) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	SH3D20
Synonyms:	CAMGAP1; PP905; SH3D20; SH3P20
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG239743 representing NM_001282290.
 Blue=ORF Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGGATCGCC
ATGGCGCGGACGTGGTGGGGACGTGTACGTGCTGGTGGAGACCCCTTCGAGTACACCGCAAGGAC
GGGCGCCGGTGGCCATCCGGCCGAATGAGCGCTACCGGCTGCTGCGGCGCAGCACCGAGCACTGGTGG
CAGGTGCGGCGTGAGCCCGGCGGCCGCCCTTCTACCTGCTGCGCAGTACGTGCGCGAGCTGCCCGCG
CTGGGCAACCCTGCCCGCGCCGCCCGCAGGTCCCCACCCGAGCCCGCGGCCCTGAGCCGCTGCC
TACGACTACCGTGTGTGAGCGCGCGGCGACCGCGGCCCGACGGCGCCCGAGGAGTCCGGAGGC
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CTGCCAGCTGCTGTACCTGCGGCCCGCGGCCCGTGCAGCCCGCGCAGTCCCTGAACGACTGGCC
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ACGCACACGACGCGGGACCGGGCGCCCTACTACTACAACCCAGACACGGGAGTTACCACCTGGGAG
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CTGAGCCCTGGCAGCCAGGGGACCCGCGGCCCCCACTCCCGAGACGGACTACCCGAGTCGCTGACC
AGTTACCCGAGGAGGACTATTCTCCGTGGGCTTTTCGGTGAAGCCGAGCCCTACCTCTCCCTTGACC
ACACCCCGGCTGGTCTTGTGTCATGTGAGCAGGACAAGCAGATGCTCTACACCAACCACTTCAG
GAGCAGTGGGTGAGGCTGGAGGACCCCGGGAAGCCATACTTCTACAATCCAGAGGACTCCTCTGTT
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TTCCCTTCTCGCACTTCCGCCAGTTCATTGCGGCCATCAAGTTGCAGGACCAGGCCGCGCAGCCGC
TGTGTGCGTGACTTGGTGCCTGCTGCCCGCTCCCAACCACGACTCTGCGGATGCTCTTCCAGCAC
CTCTGCCGGTGTGAGCAGCGGCGAGCAGAACCAGTGTGCGTGCAGAGCGTGGCCATTGTGTTGGG
CCCAGCTGCTGCGGCCGAGGTGGAAGAGACCAGCATGCCCATGACCATGGTGTCCAGAACCAGGTG
GTGGAGCTCATCTGCAGCAGTGCAGGACATCTTCCCGCCGAC
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
  
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Protein Sequence: >Peptide sequence encoded by RG239743
 Blue=ORF Red=Cloning site Green=Tag(s)

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MAADVVDVYVLVEHPFEYTGKDGRRVAIRPNERYLLRRSTEHWWHVRREPGRPFYLPAAQYVRELPA
LGNPAAAAPPGPHPSAAPEPLAYDYRFVSAATAGPDGAPEESGGRASSLCGPAQRGAATQRSSLAPG
LPACLYLSPAAPVRAQSLNDLACAASPPAGLLGSSGSFKACSVAGSWVCPRLARSDSENVYEVIQD
LHVPPPEESAQVDDPPEPVYANIERQPRATSPGAAAAPLPSVWETHDAGTGRPYYPNPDGTGVTTWE
SPFEAAEGAASPATSPASVDSHVSLETEWGQYWDEESRRVFFYNPLTGETAWEDEAENEPEEELEMQPG
LSPGSPGDPRPPTPETDYPESLTSYPEEDYSPVGSFGEPGPTSPLTTPPGWSCHVSQDKQMLYTNHFTQ
EQWRLEDPHGKPYFYNPEDSSVRWELQVVPVAPRSIHKSSQDGDTPAQASPPEEKVPAELDEVGWE
EVSPATAAVRKTLDKAGVLHRTKTADKGRRLRKKHWSASWTVLEGGVLTFFKDSKTSAAAGLRQPSKF
STPEYTVELRGATL SWAPKDKSSRKNVLELRSRDGSEYL IQHDSEAIISTWHKAI AQGIQELSAELPPE
ESESSRVDFGSSERLGSWQEKEEDARPNAAPALGPVGLSDL SKVRHKL RKFLQRPTLQSLREKGYI
KDQVFGCALAALCERERSRVPRFVQQCIRAVEARGLDIDGLYRISGNLATIQKLRVKVDHDERLDLDDG
RWEDVHVITGALKLFFRELPELPFFSHFRQFIAAIKLQDQARRSRCVRDLVRSLPAPNHDTLRMLFQH
LCRVIEHGQNRMSVQSVVIVFGPTLLRPEVEETSMPMTMVFQNVVELILQQCADIFPPH
TRTRPLEME SDESGLPAMEIECRITGTLNGVEFELVGGGEGTPEQGRTNKKMKSTKGALTFSPYLLSHV
MGYGFYHFGTYPSTYENPFLHAINNGGYTNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPEP
SVIFTDKIIRSNATVEHLHPMGDNDLDGSFTRTFSLRDGGYSSVVDSHMHFKSAIHPSILQNGGPMFA
FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV
  
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Restriction Sites: Sgfl-Mlul

Cloning Scheme:


ACCN: NM_001282290

ORF Size: 2667 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).

RefSeq: [NM_001282290.1](#), [NP_001269219.1](#)

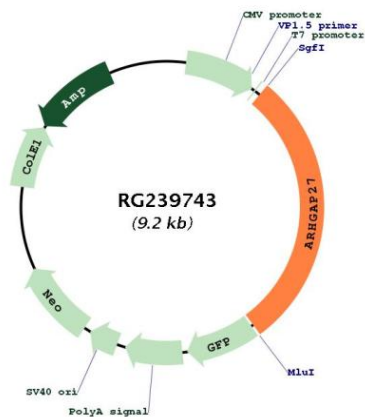
RefSeq Size: 4242 bp

RefSeq ORF: 2670 bp

Locus ID: 201176
UniProt ID: [Q6ZUM4](#)
Cytogenetics: 17q21.31
MW: 98.8 kDa

Gene Summary: This gene encodes a member of a large family of proteins that activate Rho-type guanosine triphosphate (GTP) metabolizing enzymes. The encoded protein may play a role in clathrin-mediated endocytosis. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, Aug 2013]

Product images:



Circular map for RG239743