

Protein sequence (FASTA) and information

>sp|Q9NR81|ARHG3_HUMAN Rho guanine nucleotide exchange factor 3 OS=Homo sapiens OX=9606 GN=ARHGEF3 PE=1 SV=1

MVAKDYPFYLTVKRANCSLELPPASGPAKDAEEPSNKRVKPLSRVTS LANLI PPVKATPL
KRFSQTLQRSISFRSESRPDILAPRPWSRNAAPSSTKRRDSKLWSETFDVCVNQMLTSKE
IKRQE AIFELS QGEEDLIEDLKLAKKAYHDPMLKLSIMTEQELNQIFGTLD SLIPLHEEL
LSQLRDVRKPDGSTEHVGPI LVGWL PCLSSYDSYCSNQVAAKALLDHKKQDHRVQDFLQR
CLES PF SRKLDLWNFLDIPRSRLVKYPLLLREILRHTPNDNPDQQHLEEA INIIQGIVAE
INTKTGESECRYKERYKRLLYLEEGQKDSLIDSSRVLCCHGELKNNRGVKLHVFLFQEVLVI
TRAVTHNEQLCYQLYRQPIPVKDLLEDLQDGEVRLGGS LRGA FSNNERIKNFFRV SFKN
GSQSQTHSLQANDTFNKQQWLNCIRQAKETVLC AAGQAGVLDSEGSFLNPTTGSRELQGE
TKLEQMDQSDSESDCSMDTSEVSLDCERMEQTDSSCGNSRHGESNV

>sp|Q91X46|ARHG3_MOUSE Rho guanine nucleotide exchange factor 3 OS=Mus musculus OX=10090 GN=Arhgef3 PE=1 SV=1

MVAKDYPFYLTVKRANCSLEAPLGSGVAKDEEPSNKRVKPLSRVTS LANLI PPVKTTPLK
RFSQTLQRSISFRSESRPDILAPRAWSRNATSSSTKRRDSKLWSETFDVCVNQVLTAK EI
KRQE AIFELS QGEEDLIEDLKLAKKAYHDPMLKLSIMTEQELNQIFGTLD SLIPLHEEL
SQLRDVRKPDGSTEHVGPI LVGWL PCLSSYDSYCSNQVAAKALLDHKKQDHRVQDFLQRC
LES PF SRKLDLWNFLDIPRSRLVKYPLLLREILRHTPNDNPDQQHLEEA INIIQGIVAEI
NTKTGESECRYKERYKRLLYLEEGQKDSLIDSSRVLCCHGELKNNRGVKLHVFLFQEVLVIT
RAVTHNEQLCYQLYRQPIPVKDLTLEDLQDGEVRLGGS LRGA FSNNERVKNFFRV SFKNG
SQSQTHSLQANDTFNKQQWLNCIRQAKETVLSAAGQAGLLDSEGLVQGPGTENREPQGET
KLEQMDQSDSESDCSMDTSEVSLDCERMEQTDASCANSRPEESV

>tr|Q1MT42|Q1MT42_DANRE Rho guanine nucleotide exchange factor 3 OS=Danio rerio OX=7955 GN=arhgef3 PE=4 SV=1 (Zebrafish)

MVAKDYPIYLLIKLANCSVDESSSCGRGVGRELEEPSTKRVKPLSRVTS LASLI PPVKAA
PLKRIGQTLQRSISFRSDCRPEIMAPRPWSRQVVPTITKRRDSKLWSETFDVGLGHMLSS
KEIKRQE AIFELS QGEQDLIEDLKLAKKAYHDPMLKLCIMTEHELNQIFGTLD SLIPLHE
DLLSRLRDVRNPDGSTDHMGHILVHWLPCLETYNSYCSNQVAAKALLDHKKQDHRVHDFL
QRCLES PF SRKLDLWNFLDIPRSRLVKYPLLLREILKHTPNEHPDRQHLDEAINMIQSIV
AGINTQTGESECRYKERYKRLLYLESGQRDLLESSRILICHGELKNNRGVKLHVFLFQDVL
VITRAISHNEQLWYQLYRQPIPVDRLEWEDLQDGEMRVGGSIRGA FSNNERTKNFFRV MF
RCGGQTQMHC FQASDTFNKQQWLNCIRQAKEAVGSAESEPPRSPQMDRERQHND CSDSNM
MDTMEDSSSEYPQMELADIPVSPVRE

>sp|Q5ZLX4|ARHG3_CHICK Rho guanine nucleotide exchange factor 3 OS=Gallus gallus OX=9031 GN=Arhgef3 PE=2 SV=1

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IKRQE AIFELSKGEEDLIEDLKLAKKAYHDPMLKLSIMTEQELNQIFGTLD SLIPLHEDL
LRLRQEVKRS DGSTEHVGHILVGWL PCLNSYDSYCSNQVAAKALLDHKKQDHRVQDFLQR
CLES PF SRKLDLWNFLDIPRSRLVKYPLLLREILRHTPNDHPDQQHLEEA INIIQGIVAE
INIKTGESECQYKERYLIYLEGGQRDSLIDNSRVLCCHGELKNNRGVKLHVFLFQEVLVI
TRAITHNEQLCYQLYRQPIPVMDLVLEDLQDGEVRLGGSIRGA FSNNERIKNFFRV SFKN
GSQSQSHSLQANDSFNKQQWLNCIRQAKEKVT CAGKAGVLSSEACFILSPNGSRVSQGET
MIEQMDQSDSESDCSMDTSEISIDCERMEQTNPCENEKQIETNV

>tr|Q32NJ3|Q32NJ3_XENLA Rho guanine nucleotide exchange factor 3 OS=Xenopus laevis OX=8355 GN=arhgef3.2.L PE=2 SV=1

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KRFSQSLQRSISFRSDSRPDLFTPRPWSRNAPPPITKRRDSKLWSETFDVCVNQVLT SQE
IKRQEVIFELS QGEEDLIEDLKLAKKAYHDPMLKLSIMTEQELTQIFGTLD SLIPLHEDL
LRLRLEVVRKPDGSTENVGHILVGWL PCLNSYDSYCSNQVAAKALLDHKKQDHRVQDFLQR

CLESPFSRKLDLWNFLDIPRSRLVKYHLLLKELLRHTPNNGHQDQQHLEEA INIVQGIVAE
INIKTGESECHYYKERLIYLDECQKDPLIDNSRALCCHGELKNNRGAKFHVFLFQDVLMI
TRTITQNEALYYQVYRQPIPVKDLILDDLQDGEVRLAGSLRGAFSNNERIKNFFRVGFKN
GSHSQAHFLQANDTFNKQQWLNLCIRQAKESVVCSSGGDDASSNRRLSISANGTCGSQPPA
RFEKMDQSDSVSDCSMDISETSMDCEQMEQTNSHNKEEVESNV

>tr|F7CBC5|F7CBC5_XENTR Rho guanine nucleotide exchange factor (GEF) 3, gene
1 OS=Xenopus tropicalis OX=8364 GN=asb13 PE=4 SV=4
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RKQVEPPPGQVAEEKEPSSKRVPVSKTLSASVAPPPAKVTPLKKLSLSIQKSIGCKSES
RLFSFPPTRSREPGGAKRRSSKLWRETFDSSAGEELSAREIKRQEVIFELMQGEHTLIE
DLNLVRKNYYEPMLKLEILSREELEQIFGILDSLAPLHQDLLERLLKLRRREDGTLEVIGP
TMLDWLPCLHAYKTYCCNQVAAKSLLDHKRRCAAVQNFLRLCQESAFSRKLDVWSFLDLP
RSRLVKYPLLLKELLKHTGPEHPDYTPLGEAVCMITIVSLINSKTGEAECEYYRRRLTY
LYESQEEGAVTSSRLLHCHGELKNNKGQRLQVFLFEAALVLRPITQNHQLQFQVYRQPI
PLQELVLEDLPDGEVRVGGSIIRGAFTPATERAKNFFRVSFQDRSRGQSHTLQANDSFNKQ
QWVSCIRQAKAANQGGPPEPPCTLVDISDLSLSSIEDCEKMEDG

>tr|A0A670I4W0|A0A670I4W0_PODMU Rho guanine nucleotide exchange factor 3
OS=Podarcis muralis OX=64176 GN=ARHGEF3 PE=4 SV=1 (common wall lizard)
MGWCCFFVHHQKKRQSAQSEDVISVCSFDSNEPSNKRVRPLSRVTSLASLIPPVRATPL
KRFGQTLQRSISFRSDSRPDLLASRPWTRNVPPASTKRRDSKLWSETFDVCVNQMLTSKE
IKRQEAI FELSQGEEDLIEDLKLAKKAYHDPMLKLSIMSEQELNQIFGTLD SLIPLHEDL
LRRLKEIRKPDGSTDCVGHILVGWLPCLNSYDSYCSNQVAAKTLLDQKKQDHRVQDFLQR
CLESPFSRKLDLWNFLDIPRSRLVKYPLLLREILRHTPNDHPDQQHIEEA INIVQGIVAE
INKKTGESECCYYKERLIYLDEGQKDSLIDDSRVVCCCHGELKNNRGAKLHVFLFQEV LVI
TRAVTQNEQLCYQLYRQPIPVKDLVLEDLQDGEVRLGGSIRGAFSNNERIKNFFRVSF RK
GSQSQSHSLQANDTFNKQQWLNLCIRQAKESVSCASSEIRTLDSEDPLLTSSSTSSSRNRI
PRQESKLEQMDQSDSGSDCSMDISEISIDCDHMEQTYPWQTDKEIESNV

>tr|A0A5F4CCC6|A0A5F4CCC6_CANLF Rho guanine nucleotide exchange factor 3
OS=Canis lupus familiaris OX=9615 GN=ARHGEF3 PE=4 SV=1 (Dog)
MVAKDYPFYLTIVKRANCSLDVPPSSSPAKDLEEPSNKRVKPLSRVTS LANLIPPVKATPL
KRFSQTLQRSISFRSESRPDILAPRPWSRNAAPSSTKRRDSKLWSETFDVCVNQMLPSKE
IKRQEAI FELSQGEEDLIEDLKLAKKAYHDPMLKLSIMTEQELNQIFGTLD SLIPLHEEL
LSQLRDARKPDGSTEHVGPILVGWLPCLSSYDSYCSNQVAAKALLDHKKQDHRVQDFLQR
CLESPFSRKLDLWNFLDIPRSRLVKYPLLLREILRHTPNDNPDQQHLEEA INIIQGIVAE
INTKTGESECCRYYKERLLYLEEGQKDSLIDNSRVLCCHGELKNNRGVKLHVFLFQEV LVI
TRAVTHNEQLCYQLYRQPIPVKDLLEDLQDGEVRLGGSIRGAFSNNERIKNFFRVSFKN
GSQSQTHSLQANDTFNKQQWLNLCIRQAKETVLC AAGQAGDL DSEGPF LN PATGSREPQGE
TKLEQMDQSDSESDCSMDTSEVSLDYERMEQT DSSCGNSRHVESNV