

Product datasheet for **SC122529**

RGNEF (ARHGEF28) (BC012946) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RGNEF (ARHGEF28) (BC012946) Human Untagged Clone
Tag:	Tag Free
Symbol:	RGNEF
Synonyms:	DKFZp686P12164; FLJ21817; KIAA1998; Rho-guanine nucleotide exchange factor
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF:

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>OriGene sequence for BC012946 edited
ATCTTTTGGCTCGACGCCGAGGAATTCAGAATGCATTCTGTTGGTCACTCAGCGTATTA
CAAAATACCCTGTCTTGGTGGAAGGATATTGCAGTACACAAAGGAAAGAACTGAGGAAC
ATAAAGACTTACGCAAAGCGCTTTGCTTAATTAAGACATGATTGCAACAGTGGATTAA
AAGTCAATGAATATGAGAAAAACCAAAATGGCTTGAGATCCTAAATAAGATTGAAAACA
AAACATACACGAAGCTCAAAAATGGACATGTGTTTAGGAAGCAGGCACTGATGAGTGAAG
AAAGGACTCTGTTATATGATGGCCTTGTCTACTGGAAAAGTCTACAGGTCGTTTCAAAG
ATATCCTAGCTCTACTTCTAACTGATGTGCTGCTCTTTTACAAGAAAAAGACCAGAAAT
ACATCTTTGCAGCCGTTGATCAGAAGCCATCAGTTATTTCCCTTCAAAAGCTTATTGCTA
GAGAAGTTGCTAATGAGGAGAGAGGAATGTTTCTGATCAGTGCTTCATCTGCTGGTCCTG
AGATGTATGAAATTCACACCAATTCCAAGGAGGAACGCAATAACTGGATGAGACGGATCC
AGCAGGCTGTAGAAAGTTGTCTGAAGAAAAAGGGGAAGGACAAGTGAATCTGATGAAG
ACAAGAGGAAAGCTGAAGCCAGAGTGGCCAAAATTCAGCAATGTCAAGAAATACTACTA
ACCAAGACCAACAAATTTGTGCGTATTTGGAGGAGAAGCTGCATATCTATGCTGAACCTG
GAGAACTGAGCGGATTTGAGGACGTCCATCTAGAGCCCCACCTCCTTATTAACCTGACC
CAGGCGAGCCTCCCCAGGCAGCCTCATTACTGGCAGCAGCACTGAAAGAAAGCTGAGAGCC
TACAAGTTGCAGTGAAGGCCTCAGAGATGGGCGCGTGAGTCAATCATGTGAGGACAGTT
GTGGAGACTCTGTCTTGGCGGACACACTCAGTTCTCATGATGTACCAGGATCACCAGCTG
CCTCATTAGTCACAGGAGGGAGAGAAGGAAGAGGCTGTTCCGATGTGGATCCCGGATCC
AGGGTGTGGTAACCGACTTGGCCGTCTCTGATGCAGGGGAGAAGGTGGAATGTAGAAAT
TTCCAGGTTCTTACAATCAGAGATTATACAAGCCATACAGAATTTAACCCGTCTCTTAT
ACAGCCTTCAGGCCGCCCTTGACCATTAGGACAGCCACATTGAGATCCACAGGCTGGTTC
TCCAGCAGCAGGAGGGCCTGTCTCTCGGCCACTCTATCCTCCGAGGCGGCCCTTGACAGG
ACCAGAAGTCTCGCGACGCGGACAGGCAGCATGAGGAGCTGGCCAATGTGCACCAGCTTC
AGCACCAGCTCCAGCAGGAGCAGCGCGCTGGCTGCGCAGGTGTGAGCAGCAGCAGCGGG
CGCAGGCGACAGGGAGAGCTGGCTGCAGGAGCGGGAGCGGGAGTGCCAGTGCAGGAGG
AGCTGCTGCTGCGGAGCCGGGGCGAGCTGGACCTCCAGCTCCAGGAGTACCAGCACAGCC
TGGAGCGGCTGAGGGAGGGCCAGCGCCTGGTGGAGAGGGAGCAGGCGAGGATGCGGGCCC
AGCAGAGCCTGCTGGGCCACTGGAAGCACGGCCGGCAGAGGAGCCTGCCCGCGGTGCTCC
TTCCGGGTGGCCCCGAGGTAATGGAACCTAACCGATCTGAGAGTTTATGTCATGAAAAT
CATTCTTCATCAATGAAGCTTTAGTACAAATGTCATTTAACACTTTCAACAACTGAATC
CATCAGTTATCCATCAGGATGCCACTTACCCTACAACCTCAATTTATTCTGACTTGGTGA
GGACTAGTGAACATCAAGTAGACCTCCTGGTGGACCTTCTCAGCCTTTGAATGTCAGTC
ACAAACTGTGGACAGCCGCTGGTTCCGGCCATCAGATACTTCTTTCCATGAAAGCAGCA
AGGATTCTTGAAAAATGGTAATTAACACTTTAAACATCATCTGTATAGTTTGAACAAGA
AGTTGTCCTCTGAATGGTTGGCTCTTGTGTAGAGTGAATCAAAGTCTCCCTAGCATGG
GAATAAATCGGTACTGATGAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
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5' Read Nucleotide Sequence:	>OriGene 5' read for BC012946 unedited NNGGCGGGGTTCCGATTGTATACGACTCATATAGGCGGCCGCGNAATCCANATGCATTCTGTTGGTCACTCAGCGTATTACAAAATACCCTGTCTTGGTGAAAGGATATTGCAGTACACAAAGGAAAGAACTGAGGAACATAAAGACTTACGCAAAGCGCTTTGCTTAATTAAGACATGATTGCAACAGTGGATTAAAAAGTCAATGAATATGAGAAAAACCAAAATGGCTTGAGATCCTAAATAAGATTGAAAACAAAACATACACGAAGCTCAAAAATGGACATGTGTTTAGGAGCAGGCACTGATGAGTGAAGAAAGGACTCTGTTATATGATGGCCTTGTTTACTGGAAAACTGCTACAGGTGCTTTCAAAGATATCCTAGCTCTACTTCTAACTGATGTGCTGCTCTTTTACAAAGAAAAAGACCAGAAATACATCTTTGCAGCCGTTGATCAGAGCCATCAGTTATTTCCCTTCAAAGCTTATTGCTAGAGAAGTTGCTAATGAGGAGAGAGGAATGTTTCTGATCATGTGCTTCACTGCTGGTCTGAGATGTATGAAATTCACACCAATCCAAGGAGGAACGCAATAACTGGATGAGACGGATCCAGCAGGCTGTAGAAAGTTGCTCTGAAGAAAAAGGGGGAAGGACAAGTGAATCTGATGAAGACAAGAGGAAAGCTGAAGCCAGAGTGCCAAAATTCAGCAATGTCAAGAAATACTACTAACCAAGACCAACAAATTTGTGCGTATTTGGAGGAGAAGCTGCATATCTATGCTGAAGTGGAGAACTGAGCGGATTTGAGGACGTCCATCTAGAGCCCACTCCTTNATTAACCTGACCCAGCG
Restriction Sites:	Please inquire
ACCN:	BC012946
Insert Size:	2151 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:	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:	BC012946.1 , AAH12946.1
RefSeq Size:	2151 bp
Locus ID:	64283
Cytogenetics:	5q13.2
Gene Summary:	This gene encodes a member of the Rho guanine nucleotide exchange factor family. The encoded protein interacts with low molecular weight neurofilament mRNA and may be involved in the formation of amyotrophic lateral sclerosis neurofilament aggregates. Alternate splicing results in multiple transcript variants.[provided by RefSeq, Apr 2010]