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Product datasheet for SC319656

RHOH (NM_004310) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RHOH (NM_004310) Human Untagged Clone
Tag:	Tag Free
Symbol:	RHOH
Synonyms:	ARHH; TTF
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene sequence for NM_004310.2 AGCCCAACTGTTGTATTTTCAGTTCTTCCAGTGTGAATCAGTTAATATTCTCGGGAACGA GGGAGAGGTTGATCCTATGAGGAAATCAACCACAGTGAAAAGGCTTGGGCCGCTTTTGTT TTCACCTGCTTTTGTTGAACAAATTTGATTTCCGGAGTCAGTCATTTTACTGTCAAGACA TTTCTTCGGCATTCTGCAACAGTTTCCAACATGGCTAGATCCATCAGAAACTGAAGCCGT GGAGAACGCTCTCGGGGCCTTTGCCACTTCTTGGAGTAGAAGCCGACAGAGAGCTGTTTG GAAACTTCTCCTTCACACACCAGTTGAAGACTAGGCTTTGGAGGTTTTCAAAGCAGACGG TGCTTGGATGGGCAGGGAGAAGTAACATTCTGCAAATCGCCGTCAGAGGTCCTGAGGACA CAGACCTACCTGGCTTGCATTCCCCTTGCTGAATGGCGTGTGCTGCAGCTGCCCACTGAG GGCTCTTTTCCCTGGGATTCTGGACTTCAGAGTAGGACAGCAGGCTGGGAAGATGCTGAG TTCCATCAAGTGCGTGTTGGTGGGCGACTCTGCTGTGGGGAAAACCTCTCTGTTGGTGCG CTTCACCTCCGAGACCTTCCCGGAGGCCTACAAGCCCACAGTGTACGAGAACACAGGGGT GGACGTCTTCATGGATGGCATCCAGATCAGCCTGGGCCTCTGGGACACAGCCGGCAATGA CGCCTTCAGAAGCATCCGGCCCCTGTCCTACCAGCAGGCAGACGTGGTGCTGATGTGCTA CTCTGTGGCCAACCATAACTCATTCCTGAACTTGAAGAACAAGTGGATTGGTGAAATTAG GAGCAACTTGCCCTGTACCCCTGTGCTGGTGGTGGCCACCCAGACTGACCAGCGGGAGAT GGGGCCCCACAGGGCCTCCTGCGTCAATGCCATGGAAGGGAAGAAACTGGCCCAGGATGT CAGAGCCAAGGGCTACCTGGAGTGCTCAGCCCTTAGCAATCGGGGAGTACAGCAGGTGTT TGAGTGCGCCGTCCGAACTGCCGTCAACCAGGCCAGGAGACGAAACAGAAGGAGGCTCTT CTCCATCAATGAGTGCAAGATCTTCTAAACCCCAAGAGACTTCACACAACACTTATGTAT GCACCCCAAAGACTAATGGGGAGAGGGAGGGCCGGGAAGCCAGGAAAGCTTGGTGTTTTC TCTGGGTACACCCCAAGCAGCGTCTCCTTTTGGATACAGTTATTGATGAGGCTTGGCCAC TGGATGTTTTCACTAACTACACTCTACAAGTGAACTCCTTGCCCAGGCCAGTTAGAAAAT CCCTTGGGGAACTGTGATGAATATTCCATCTTTGATTAAAAAAGTGAAATAGTCTCCATA AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
Restriction Sites:	Please inquire

ACCN:	NM_004310
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).
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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:	NM_004310.2, NP_004301.1
RefSeq Size:	1516 bp
RefSeq ORF:	576 bp
Locus ID:	399
UniProt ID:	Q15669
Cytogenetics:	4p14
Domains:	ras, RAS, RHO, RAB
Protein Families:	Transcription Factors
Protein Pathways:	Leukocyte transendothelial migration
Gene Summary:	The protein encoded by this gene is a member of the Ras superfamily of guanosine triphosphate (GTP)-metabolizing enzymes. The encoded protein is expressed in hematopoietic cells, where it functions as a negative regulator of cell growth and survival. This gene may be hypermutated or misexpressed in leukemias and lymphomas. Chromosomal translocations in non-Hodgkin's lymphoma occur between this locus and B-cell CLL/lymphoma 6 (BCL6) on chromosome 3, leading to the production of fusion transcripts. Alternative splicing in the 5' untranslated region results in multiple transcript variants that encode the same protein. [provided by RefSeq, May 2013] Transcript Variant: This variant (6) lacks an exon in the 5' UTR, compared to variant 1. Variants 1 through 12 encode the same protein.