

Product datasheet for SC125693

ARHI (DIRAS3) (NM_004675) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ARHI (DIRAS3) (NM_004675) Human Untagged Clone
Tag:	Tag Free
Symbol:	ARHI
Synonyms:	ARHI; NOEY2
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_004675 edited
GGGTGTCAGTTGGTTGCCGCGGCAGTCTCTCCGAGCAGCGCATTGTCTTCTAGGCTGC
TTGGTTCGTGCCCTCCGAGAAAGGGGTCTCCTGCTGCCAGCTAAGTGTGGGAGAATTGTG
TACGTATCTCCCCTCCGAATCCCAACGATGGGTAAACGCCAGCTTTGGCTCCAAGGAACAG
AAGCTGCTGAAGCGGTTGCGGCTTCTGCCCGCCCTGCTTATCCTCCGCGCCTTCAAGCCC
CACAGGAAGATCAGAGATTACCGCGTCGTGGTAGTCGGCACCGCTGGTGTGGGAAAAAGT
ACGCTGCTGCACAAGTGGGCGAGCGGCAACTTCCGTCATGAGTACCTGCCGACATTGAA
AATACCTACTGCCAGTTGCTGGGCTGCAGCCACGGTGTGCTTCCCTGCACATCACCGAC
AGCAAGAGTGGGACGGCAACCGGCTCTGCAGCGCCACGTTATAGCCCGGGGCCACGCC
TTCGTCCTGGTCTACTCAGTCACCAAGAAGGAAACCCTGGAAGAGCTGAAGGCCTTCTAT
GAGCTGATCTGCAAGATCAAAGGTAACAACCTGCATAAGTTCCCATCGTGTGGTGGGC
AATAAAAGTGATGACACCCACCGGAGGTGGCCCTGAATGATGGTGCCACCTGTGCGATG
GAGTGGAAATTGCGCCTTCATGGAGATTTAGCCAAAGACCGATGTGAATGTGCAGGAGCTG
TTCCACATGCTGCTGAATTACAAGAAAAAGCCACCACCGGCCTCCAGGAGCCCGAGAAG
AAATCCCAGATGCCAACACCACTGAGAAGCTGCTTGACAAGTGCATAATCATGTGAGCC
CTGGGCCTTAAGAGCCAGCTCTTCTATCCTGTAGCGGTAGAAAAACGTGGACTCATTTT
ACTATGTTACATGTACATGGTTGATTTTGTGCTGTTGTTGGACTGTAACATCCATGTTG
TCAATACGTATACCTTGAAGTGGATAACTTTTTCTTTTCCCAGGCCAGAGAATTCAAAT
TGTTAAAACATTGGCATTGGAAGAGGAGAAACAAAATGTAGCATGATGATTTAAAGTAAG
GCCTTTAGTAATGAATGTAAAGAGAAAATGTTTTGAAAAGAACAAAACATCAAAATGA
ATAGAAAAGAAAAATTGGAAGCGTCCTTTTGGTAACCCGATTATTGTGATTACCTTTAA
ATATTTACATCCTGTAAGTGTCTAATCATATCTTTTAATTGTGATTTAAGAAAAGTGT
TTTCAACAACAAAAGCTTTTGATAAATTGCTGCGTGACATATACTAAATAAAAAAATGAAT
ATGTTGATCATTAGGGGTGTGGGAGCAGAGAAAATGTGAAAAGTACTCTCACTAAAGAT
GTTAGTAGTTTCTCATGTCATTTAAAAATGTTTGAGTATTCTGCATAGCAGTTTGTAAAA
GTGTAACAGCTTATTGACTTAATAAAGCTTTTCTGCATGCAGAAAAAAGAAAAA
AAAAA



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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_004675 unedited NAAGGTTCCANGATTTGTNATACGACTCATATAGGCGGCCGCGATTTCGGCCTTACGGCCGG GGGGTGTCCAGTTGGTTGCCGCGCAGTCTCTCCGAGCAGCGCATTGTCTTAGGCTG CTTGGTTCGTGCCTCCGAGAAAGGGTCTCTGTGCTGCCAGCTAAGTGTGGGAGAACTTGTG TACGTATCTCCCCTCCGAATCCCAACGATGGGTAACGCCAGCTTTGGCTCCAAGGAACAG AAGCTGCTGAAGCGGTTGCGGCTTCTGCCCGCCCTGCTTATCCTCCGCGCCTTCAAGCCC CACAGGAAGATCAGAGATTACCGCGTCGTGGTAGTCGGCACCGCTGGTGTGGGGAAAAGT ACGCTGCTGCACAAGTGGGCGAGCGGCAACTTCGGTCATGAGTACCTGCCGACCATTGAA AATACCTACTGCCAGTTGCTGGGCTGCAGCCACGGTGTGCTTTCCTGCACATCACCGAC AGCAAGAGTGGCGACGGCAACCGCGCTCTGCAGCGCCACGTTATAGCCCGGGGCCACGCC TTCGCTCTGGTCTACTCAGTCACCAAGAAGGAAACCCTGGAAGAGCTGAAGGCCTTCTAT GAGCTGATCTGCAAGATCAAAGGTAACAACCTGCATAAGTTCCCATCGTGTGGTGGGN CATAAAAGTGATGACACCCACGGGAGGTGGCCCTGAATGATGGTGCCACCTGTGCGATG GAGTGGAAATTGCGCCTTCATGGAGATTTACGCCAAGACCGATGTGAATGTGCANGAGCTG TTCCACATGCTGCTGAATTTACAGAAAAGCCACCACCGGCCCTCCAGAGCCCCGAGAGA ATCCCAGATGCCCAACCACTGAGAAGCTGCTTGACAAGTGCN
Restriction Sites:	NotI-NotI
ACCN:	NM_004675
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:	<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_004675.2 , NP_004666.1
RefSeq Size:	1642 bp
RefSeq ORF:	690 bp
Locus ID:	9077
UniProt ID:	O95661
Cytogenetics:	1p31.3
Gene Summary:	This gene encodes a member of the ras superfamily. This gene is imprinted gene with monoallelic expression of the paternal allele which is associated with growth suppression. The encoded protein acts as a tumor suppressor whose function is abrogated in many ovarian and breast cancers. This protein may also play a role autophagy in certain cancer cells by regulating the autophagosome initiation complex. [provided by RefSeq, Nov 2015]