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Product datasheet for SC119973

RHAG (NM_000324) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RHAG (NM_000324) Human Untagged Clone
Tag:	Tag Free
Symbol:	RHAG
Synonyms:	CD241; OHS; OHST; RH2; Rh50; RH50A; Rh50GP; RHNR; SLC42A1
Mammalian Cell Selection:	None
Vector:	pCMV6-XL4
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_000324, the custom clone sequence may differ by one or more nucleotides

ATGAGGTTCACATTCCCTCTCATGGCTATAGTCCTGGAAATTGCCATGATTGTTTTATTTGGATTATTTG
TTGAGTATGAAACGGACCAGACTGTTCTCGAGCAGCTCAACATCACCAAGCCAACAGACATGGGCATATT
CTTTGAGTTATATCCTCTGTTCCAAGATGTACATGTTATGATATTTGTTGGGTTTGGCTTCCTCATGACC
TTCCTGAAGAAATATGGCTTCAGCAGTGTGGGTATCAACCTACTCGTTGCTGCTTTGGGCCTCCAGTGGG
GCACTATTGTACAGGGAATCCTGCAAAGCCAGGGACAGAAATTTAACATTGGAATCAAAAACATGATAAA
TGCAGACTTCAGTGCAGCCACAGTTCTGATATCTTTTGGAGCTGTCCTGGGAAAAACGAGCCCCACCCAA
ATGCTGATCATGACAATTTTAGAAATTGTTTTCTTTGCCCACAATGAATACCTGGTTAGTGAAATATTTA
AGGCCTCTGACATTGGAGCATCAATGACGATCCATGCCTTTGGGGCCTACTTTGGCTTGGCTGTAGCAGG
CATCTTGTATCGATCTGGACTGAGAAAGGGGCATGAAAATGAAGAGTCCGCATACTACTCAGACTTGTTT
GCAATGATTGGGACTCTCTTTCTGTGGATGTTTTGGCCCAGCTTTAACTCGGCCATTGCTGAACCTGGAG
ACAAACAGTGCAGGGCCATTGTAAACACGTACTTCTCTCTCGCTGCCTGTGTGCTCACAGCCTTTGCCTT
CTCCAGCCTAGTGGAGCACCGAGGCAAGCTCAACATGGTTCACATTCAGAATGCCACCCTTGCTGGAGGA
GTTGCTGTGGGCACTTGTGCGGATATGGCAATTCACCCATTTGGTTCTATGATTATTGGGAGCATTGCAG
GAATGGTCTCTGTGCTTGGATACAAGTTCCTGACTCCACTTTTTACTACTAAACTGAGGATCCATGATAC
ATGTGGGGTCCATAACCTCCACGGCTTACCTGGTGTAGTGGGAGGCCTTGCAGGCATTGTGGCAGTAGCA
ATGGGCGCCTCCAACACGTCTATGGCCATGCAGGCAGCTGCACTGGGTTCCTCTATCGGAACAGCAGTTG
TTGGAGGTCTGATGACAGGTTTAATTCTAAAGTTGCCTCTCTGGGGACAGCCATCTGACCAGAACTGCTA
TGATGATTCTGTTTATTGGAAGGTCCCTAAGACGAGATAA

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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_000324 unedited
AATACGACTCTCTATAGGGCGGCCGCGAATTCGGCACCAGCAACATCTCACAGCCTGTGA
AGCTCTCAGTGTGCCTCTGTCCTTTGCCACAAACATAAGGTTCACATTCCCTCTCATGGC
TATAGTCCTGGAAATTGCCATGATTGTTTTATTTGGATTATTTGTTGAGTATGAAACGGA
CCAGACTGTTCTCGAGCAGCTCAACATCACCAAGCCAACAGACATGGGCATATTCTTTGA
GTTATATCCTCTGTTCCAAGATGTACATGTTATGATATTTGTTGGGTTTGGCTTCCTCAT
GACCTTCCTGAAGAAATATGGCTTCAGCAGTGTGGGTATCAACCTACTCGTTGCTGCTTT
GGGCCTCCAGTGGGGCACTATTGTACAGGGAATCCTGCAAAGCCAGGGACAGAAATTTAA
CATTGGAATCAAAAACATGATAAATGCAGACTTCAGTGCAGCCACAGTTCTGATATCTTT
TGGAGCTGTCCTGGGAAAAACGAGCCCCACCCAAATGCTGATCATGANCATTTTAGAAAT
TGTTTTCTTTGCCCCACATGAATACCTGGTTAGTGAAATATTTAAGGCCTCTGACATTGN
AGCATNCATGACGATCCATGCCTTTTGGGCCTACTTTGGCTTGGCTGTAGCANGCATCTT
GTATCGATCTGGACTGAGAAAGGGCATGANNATGAGGAGTCCGCATACTACTCAGACTTG
NTNNTGCATGATGGGACTCTCTTTCTGTGGATGTTTTGGCCCAGCTTTACTCNGCCATTG
CTGAACCCTGAGACAACAGTGCAGGCCCATTGAAACACGTACTTTCTTTCGCTGCCTGTG
TGCTACCAACTTTGCCTTCTCCACCTAGTGAGCACCGAGGCAGCTCACATGGTCACATTC
AGAATGCAACCTGCCTGAGAAGTGCTGGGCCACTGTGCGTATAGCCATCACCATTTGGTC
TTGATATTGGAGCATGCAGATGGCTCTGCCTGGAACCAGTCTGATCCATTTTCTCTAACG
AGATCTGATCAGTGGGTCATACTCCGCTACTG

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_000324 unedited
CACACCGGACACCCACCCNCCTTTTCNNNNNCCATTTTTCTGTGNNCCGCGGNNCCGCAT
TTTANGANCGAGTTTTTTTTTTTTTTTTTTTTTTTTATTTTATAACAATATTTAATTATTG
GACATTTTATGCAAAATAGACTTTGATCAGATAGCATTTGAGCTCGTTGCAAATAGTCAA
CATGCAAAAGGAATTAAGAATAATATTCATGCAAGGATACAACATTACTAACTAGACTAT
TTTTAAAATAAAAAGCACTACCTAAAATCATCATATTACTACTTTACACACATGCATTTC
TTTAATTATTTTTTTACATAGATTTCTCACATCTATTCTTGCTTCATGGGTTTCAGTTTT
ATAATTTTTGGGATTGAAGACATAGTGTCTACATTAAGAAACTGACATGTTTACTCTGTA
TTTACTCACTGCCAAAAGCTTTTTGGGAATCCTGGAGAAGATCTATTTGATTATCTGTTT
TATGAGTAACATCCCCTCAATTAATCATTGAAGAGCAAGAGACAGCATCAGACATAAGGA
CATTTTTACACTGGCCATTTGGGACTTAGGATCTATTCACTCTGGTCCATACTCTCTTTG
GTTACTCCCTTTTTGTTTATTTGGACTTGATTCTGGATAATGGGAAAGGACCCTGGAGAG
CANGAATGGTGTTTAGACTCCAGGTTCCAGCTGGCTGTGGTCACCATGTNCATGGAACTG
ATTGTCAAGTTATCTCGTCTTAGGGACCCTCCAATAAACAGAATCATCATAGCCGTTTCT
GGTCACATGGCTGTCCCCAGAGAGGCAACTTTAAATTTAAACCTGTCATCAAACCTTCCA
CAACTGGCTGTCCGAAGGAGGAACCCATTGCACTTGGCTGCATGGCCATANACGGGTTGA
AGGGGCCCATGGTACCTGCCCATGCCTGCAAGGCCTTCCCATACACCAGTAGCCCGGGAG
GTTTGCCCCCCACTGTTTAAGGGTCT

Restriction Sites: NotI-NotI

ACCN: NM_000324

Insert Size: 1960 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:	NM_000324.1, NP_000315.1
RefSeq Size:	1927 bp
RefSeq ORF:	1230 bp
Locus ID:	6005
UniProt ID:	Q02094
Cytogenetics:	6p12.3
Domains:	Ammonium_transp
Protein Families:	Druggable Genome, Transmembrane
Gene Summary:	The protein encoded by this gene is erythrocyte-specific and is thought to be part of a membrane channel that transports ammonium and carbon dioxide across the blood cell membrane. The encoded protein appears to interact with Rh blood group antigens and Rh30 polypeptides. Defects in this gene are a cause of regulator type Rh-null hemolytic anemia (RHN), or Rh-deficiency syndrome.[provided by RefSeq, Mar 2009]