

Product datasheet for **SC309558**

RHCE (NM_138618) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RHCE (NM_138618) Human Untagged Clone
Tag:	Tag Free
Symbol:	RHCE
Synonyms:	CD240CE; RH; Rh4; RH30A; RHC; RHCE(152N); RHE; RhIVb(J); RHIXB; RHNA; RHPI; RhVI; RhVIII
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC309558 representing NM_138618. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTGTAGTGAACCGTCAGAATTTTGTAAACGACTACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGAGCTCTAAGTACCCGCGGTCTGTCCGGCGCTGCCTGCCCTCTGGGCCCTAACACTGGAAGCAGCT
CTCATTCTCCTCTTCTATTTTTTACCCTACTATGACGCTTCTTAGAGGATCAAAGGGGCTCGTGGCA
TCCTATCAAGTCGGCCAAGATCTGACCGTGATGGCGGCCCTTGGCTTGGGCTTCTCACCTCAAATTTT
CGGAGACACAGCTGGAGCAGTGTGGCCTTCAACCTCTTATGCTGGCGCTTGGTGTGCAGTGGCAATC
CTGCTGGACGGCTTCTGAGCCAGTTCCTCCTGGGAAGGTGGTCATCACACTGTTCAAGTATTGGCTG
GCCACCATGAGTGTATGTCGGTGTGATCTCAGCGGGTGTCTTGGGAAGGTCAACTTGGCGCAG
TTGGTGGTGTATGGTGTGGTGGAGGTGACAGCTTAGGCACCCTGAGGATGGTCATCAGTAATATCTTC
AACACAGACTACCACATGAACCTGAGGCACTTCTACGTGTTTCGACGCTATTTTGGGCTGACTGTGGCC
TGGTGCCTGCCAAAGCCTTACCCAAGGGAACGGAGGATAATGATCAGAGAGCAACGATACCCAGTTTG
TCTGCCATGCTGGGCGCCCTCTTCTGTGGATGTTCTGGCCAAGTGTCAACTCTGCTCTGCTGAGAAGT
CCAATCCAAGGAAGAATGCCATGTTCAACACCTACTATGCTCTAGCAGTCAGTGGTGCAGCCATC
TCAGGGTCATCCTTGGCTCACCCCAAAGGAAGATCAGCATGACTATGTGCACAGTGGGTTGGCA
GGAGGCGTGGCTGTGGGTACCTCGTGTACCTGATCCCTTCTCCGTGGCTTGGCATGGTGTGGTCTT
GTGGCTGGGCTGATCTCCATCGGGGAGCCAAGTGCCTGCCGATGGCTTCCAGGTCTCCTCAGCAT
TGGGGAACCTCAGCTTGGCCATCGTGATAGCTCTCAGCTGTGGTCTCCTGACAGGTTTGTCTCTAAATCT
CAAATATGAAAAGCACCTCATGTGGCTAA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites: Sgfl-Mlul

Plasmid Map: □



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ACCN:	NM_138618
Insert Size:	1065 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).
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:	<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:	<u>NM_138618.3</u>
RefSeq Size:	1484 bp
RefSeq ORF:	1065 bp
Locus ID:	6006
Cytogenetics:	1p36.11
Protein Families:	Transmembrane
MW:	38.7 kDa
Gene Summary:	<p>The Rh blood group system is the second most clinically significant of the blood groups, second only to ABO. It is also the most polymorphic of the blood groups, with variations due to deletions, gene conversions, and missense mutations. The Rh blood group includes this gene which encodes both the RhC and RhE antigens on a single polypeptide and a second gene which encodes the RhD protein. The classification of Rh-positive and Rh-negative individuals is determined by the presence or absence of the highly immunogenic RhD protein on the surface of erythrocytes. A mutation in this gene results in amorph-type Rh-null disease. Alternative splicing of this gene results in multiple transcript variants encoding several different isoforms. [provided by RefSeq, Aug 2016]</p> <p>Transcript Variant: This variant (2), also called Rh4, lacks one internal exon resulting in a frameshift and use of an upstream stop codon, as compared to variant 1. Isoform 2 is 63 aa shorter than isoform 1 and has a distinct C-terminus. Sequence Note:.</p>