

Product datasheet for **SC336445**

RHD (NM_001282871) Human Untagged Clone

Product data:

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| Product Type: | Expression Plasmids |
| Product Name: | RHD (NM_001282871) Human Untagged Clone |
| Tag: | Tag Free |
| Symbol: | RHD |
| Synonyms: | CD240D; DIIIc; RH; Rh4; RH30; RHCED; RhDCw; RHDel; RHDVA(TT); RhII; RhK562-II; RhPI; RHPII; RHXIII |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |



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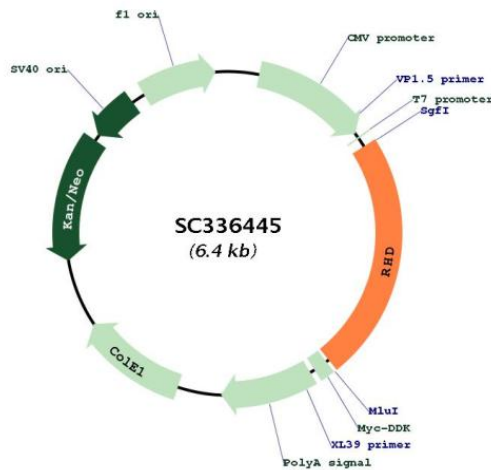
Fully Sequenced ORF: >SC336445 representing NM_001282871.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGCATCGCC
ATGAGCTCTAAGTACCCGCGGTCTGTCCGGCGCTGCCTGCCCTCTGGGCCCTAACACTGGAAGCAGCT
CTCATTCTCCTTCTATTTTTTTACCCACTATGACGCTTCCTTAGAGGATCAAAAGGGGCTCGTGGCA
TCCTATCAAGTTGGCCAAGATCTGACCGTGATGGCGGCCATTGGCTTGGGCTTCCTCACCTCGAGTTTC
CGGAGACACAGCTGGAGCAGTGTGGCCTTCAACCTCTTCATGCTGGCGCTTGGTGTGCACTGGGCAATC
CTGCTGGACGGCTTCTGAGCCAGTTCCTTCTGGGAAGGTGGTCATCACACTGTTCACTATTTCGGCTG
GCCACCATGAGTGCTTTGTCGGTGTGATCTCAGTGGATGCTGTCTTGGGGAAGGTCAACTGGCGCAG
TTGGTGGTGTGGTGTGGTGGAGGTGACAGCTTAGGCAACCTGAGGATGGTCATCAGTAATATCTTC
AACACAGACTACCACATGAACATGATGCACATCTACGTGTTCCGACGCTATTTGGGCTGTCTGTGGCC
TGGTGCCTGCCAAAGCCTCTACCCGAGGGAACGGAGGATAAAGATCAGACAGCAACGATACCCAGTTTG
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CCAATCGAAAGGAAGAATGCCGTGTTCAACACCTACTATGCTGTAGCAGTCAGCGTGGTGACAGCCATC
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CGCGCAGGCACTGGAGTCAGAGAAAATGGAGTTGAATCCTTTCTGCCACTCTTTGAGGAGAATCTCA
CCATTTATTATGCACTGTAGAATACAACAATAA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGCGC
  
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Restriction Sites: SgfI-MluI

Plasmid Map:



ACCN: NM_001282871

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| Insert Size: | 1482 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: | <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_001282871.1 |
| RefSeq Size: | 2853 bp |
| RefSeq ORF: | 1482 bp |
| Locus ID: | 6007 |
| UniProt ID: | Q02161 |
| Cytogenetics: | 1p36.11 |
| Protein Families: | Transmembrane |
| MW: | 53.6 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 the RhD protein, and a second gene that encodes both the RhC and RhE antigens on a single polypeptide. The two genes, and a third unrelated gene, are found in a cluster on chromosome 1. 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. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2008]</p> <p>Transcript Variant: This variant (7) contains an alternate exon and lacks two alternate exons compared to variant 1, that causes a frameshift. The resulting isoform (7) has a shorter and distinct C-terminus compared to isoform 1. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p> |