

Product datasheet for **SC330565**

RHNO1 (NM_001257097) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: RHNO1 (NM_001257097) Human Untagged Clone
Tag: Tag Free
Symbol: RHNO1
Synonyms: C12orf32; HKMT1188; RHINO
Vector: pCMV6-Entry (PS100001)
Fully Sequenced ORF: >SC330565 representing NM_001257097.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

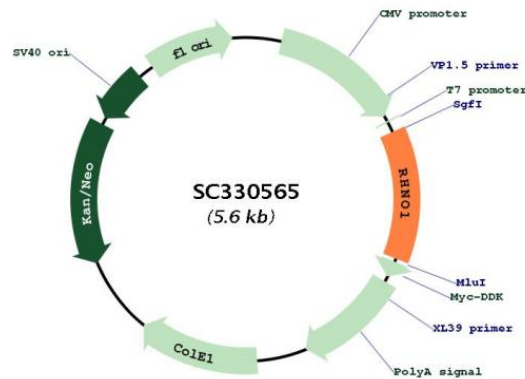
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ATGCCTCCAGAAAAAACGCCGCGCAGCCTTCCCAGAAAGCCCCGCTGCTGTTCCACCAACAACCACTG
GAGGGCCCCAACACAGCTGTGCATCTACACAGCTTCCCATCACTCACACTCGACAGGTGCCAGCAAG
CCCATTGACCACAGCACCATCACTTCTGGGTATCACCTGATTTTGATACAGCAGCAGGAAGCTTGTTCC
CCAGCCTACCAGAAACACCAAACCGGGCGAGACTCAAGTCGAAAACCTACCACCTCCAAGTTTCCA
CATCTAACTTTTGAGAGTCCGCAATCTTCCAGTTCAGAGACATTGGGGATCCCCTTAATCCGAGAGTGC
CCCAGTGAATCAGAAAAGGATGTTTCCAGAAGACCCTTAGTTCAGTGCTCAGTCCCAAAGCTGTGGG
AACATGTCAGTGCAGGCACTTCAGAGCTTACCTTATGTGTTTATTCCACCTGATATCCAGACCCAGAG
TCATCGTCTGTGAAGGAAGAAGTCAATCCCAAGATCAGAAGGAAAACAGCCTTCTAAGCTGCACCTT
CACACTGGCACTCCTAATAGCCCAGAGCCTGGACCTGTTCTGGTTAAAGACACCCCGAGGACAAGTAT
GGAATAAAGGTCACATGGAGGAGACGACAGCACCTGCTTGCTTACCTCAGGGAGAGAGGGAAGCTGAGC
AGAAGCCAATTCCTTGTGAAAAGCTGA
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Restriction Sites: Sgfl-Mlul



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Plasmid Map:



ACCN: NM_001257097

Insert Size: 717 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_001257097.1](#)

RefSeq Size: 2083 bp

RefSeq ORF: 717 bp

Locus ID: 83695

UniProt ID: [Q9BSD3](#)

Cytogenetics: 12p13.33

MW: 26.7 kDa

Gene Summary: Plays a role in DNA damage response (DDR) signaling upon genotoxic stresses such as ionizing radiation (IR) during the S phase. Recruited to sites of DNA damage through interaction with the 9-1-1 cell-cycle checkpoint response complex and TOPBP1 in a ATR-dependent manner. Required for the progression of the G1 to S phase transition. Plays a role in the stimulation of CHEK1 phosphorylation.[UniProtKB/Swiss-Prot Function]
Transcript Variant: This variant (4) differs in the 5' UTR compared to variant 1. Variants 1, 4 and 5 all encode isoform 1.