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Product datasheet for SC330289

RHNO1 (NM_001252500) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RHNO1 (NM_001252500) Human Untagged Clone
Tag:	Tag Free
Symbol:	RHNO1
Synonyms:	C12orf32; HKMT1188; RHINO
Vector:	pCMV6-Entry (PS100001)
Fully Sequenced ORF:	>SC330289 representing NM_001252500. Blue=Insert sequence Red=Cloning site Green=Tag(s) ATGCCTCCCAGAAAAAAACGCCGCCAGCCTTCCCAGAAAGCCCCGCTGCTGTTCCACCAACAACCACTG GAGGGCCCCAAACACAGCTGTGCATCTACACAGCTTCCCATCACTCACACTCGACAGGTATCACCTGAT TTTGATACAGCAGCAGGAAGCTTGTTCCCAGCCTACCAGAAACACCAAAACCGGGCGAGACACTCAAGT CGAAAACCTACCACCTCCAAGTTTCCACATCTAACTTTTGAGAGTCCGCAATCTTCCAGTTCAGAGACA TTGGGGATCCCCTTAATCCGAGAGTGCCCCAGTGAATCAGAAAAGGATGTTTCCAGAAGACCCTTAGTT CCAGTGCTCAGTCCCCAAAGCTGTGGGAACATGTCAGTGCAGGCACTTCAGAGCTTACCTTATGTGTTC ATTCCACCTGATATCCAGACCCCAGAGTCATCGTCTGTGAAGGAAGAACTCATTCCCCAAGATCAGAAG GAAAACAGCCTTCTAAGCTGCACTCTTCACACTGGCACTCCTAATAGCCCAGAGCCTGGACCTGTTCTG GTTAAAGACACCCCCGAGGACAAGTATGGAATAAAGGTCACATGGAGGAGACGACAGCACCTGCTTGCT TACCTCAGGGAGAGAGGGAAGCTGAGCAGAAGCCAATTCCTTGTGAAAAGCTGA
Restriction Sites:	SgfI-MluI

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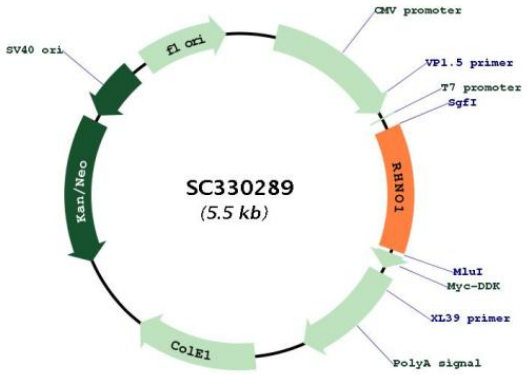
Plasmid Map:



ACCN:	NM_001252500
Insert Size:	675 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_001252500.2
RefSeq Size:	1920 bp
RefSeq ORF:	675 bp
Locus ID:	83695
UniProt ID:	Q9BSD3
Cytogenetics:	12p13.33
MW:	25.2 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 (2) uses an alternate in-frame splice site in the central coding region, compared to variant 1, resulting in a shorter isoform (2), compared to isoform 1.