

Product datasheet for **SC314894**

RGPD5 (NM_032260) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RGPD5 (NM_032260) Human Untagged Clone
Tag:	Tag Free
Symbol:	RGPD5
Synonyms:	BS-63; BS63; HEL161; RGP5
Vector:	<u>pCMV6 series</u>



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Fully Sequenced ORF: >NCBI ORF sequence for NM_032260, the custom clone sequence may differ by one or more nucleotides

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ATGAGGCGCAGCAAGGCCGATGTGGAGCGGTACGTCGCCTCGGTGCTGGGTCTCACCCCG
TCGCCTCGACAGAAGTCAATGAAAGGATTCTATTTGCAAAGCTGATTATGAAGCTAAA
GAATATGATCTTGCTAAAAAATACATATGTACTTACATTAATGTGCAAGAGAGGGATCCC
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GAATGTTACAGGCGTTCAGTGAATTAACCCAACACAAAAAGATCTTGTTGAAGATT
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GCTACTTTCTTAGAAATGAAAGGACATTTCTATATGTATGCTGGTCTCTGCTCTTGAAG
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TCAGAAATTGTTGAATATGAAGAAGACGCACACATAACTTTTGCTATGTTGGATGCAGTA
AATGGAATATAGAAGATGCTGTGACTGCTTTTGAATCTATAAAAAGTGTGTTTCTTAT
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TGGCCACAGAGAATTATGGACCAGACTCGGTGCCTGATGGATATCAGGGGTACAGACA
TTTCATGGGGCTCCACTAACAGAAGCAGCACATCGTCATTTTACAATTGAGAAACATGGA
GACTCCAAATGGATTATTTACAGGTTACAAAAACAGCTTTGTGGCACTGAAAGGGCGAGA
GCCAAGATCTCC

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Restriction Sites: Please inquire

ACCN: NM_032260

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:	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_032260.2</u> , <u>NP_115636.1</u>
RefSeq Size:	3325 bp
RefSeq ORF:	2715 bp
Locus ID:	84220
UniProt ID:	<u>Q99666</u>
Cytogenetics:	2q13
Domains:	TPR
Protein Families:	Druggable Genome
Gene Summary:	RAN is a small GTP-binding protein of the RAS superfamily that is associated with the nuclear membrane and is thought to control a variety of cellular functions through its interactions with other proteins. This gene shares a high degree of sequence identity with RANBP2, a large RAN-binding protein localized at the cytoplasmic side of the nuclear pore complex. It is believed that this RANBP2 gene family member arose from a duplication event 3 Mb distal to RANBP2. Alternative splicing has been observed for this locus and two variants are described. Additional splicing is suggested but complete sequence for further transcripts has not been determined. [provided by RefSeq, Jul 2008] Transcript Variant: This variant (2) uses an alternate 3' terminal exon and is truncated, compared to variant 1. The encoded isoform (2) is shorter than isoform 1 and has a unique C-terminus.