

Product datasheet for **SC206290**

RPGR (NM_000328) Human 3' UTR Clone

Product data:

Product Type: 3' UTR Clones
Product Name: RPGR (NM_000328) Human 3' UTR Clone
Symbol: RPGR
Synonyms: COD1; CORDX1; CRD; orf15; PCDX; RP3; RP15; XLRP3
Mammalian Cell Selection: Neomycin
Vector: pMirTarget (PS100062)
ACCN: NM_000328
Insert Size: 493 bp
Insert Sequence: >SC206290 3'UTR clone of NM_000328
The sequence shown below is from the reference sequence of NM_000328. The complete sequence of this clone may contain minor differences, such as SNPs.
Blue=Stop Codon **Red**=Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
AGAAGATCAAAATCCTGTACAATACTAAAATATATATTTATGTTTTACAGTCACCAAGTGTATTGTA
ATGTATACTTGAAAAATGTTATAACTTATGAAGTAAAGTTTCTGATAGTAGTCTTTAAAAGATATAAGA
CTTAATATGTTTTATTACGCTTCTATAAGTGTGACCAGTTTTGATATTTATTTATGCTAATATTTTTAA
CAAGTCATTTCAAATATGTGTATCTCAAATTCTCCCTAAAGTGTGTGGCCTTAACTGTTCAAGTATTG
CAATAAAAAATATATTTTTATATGTGGAAAATTGAAATAAGATATTTCTAGTTTTACTAAACAATTT
TACTTCTTTATAATTTTATAAGGCAATATTTGCAATCTTACGACACTGTAAACAGTTTTTGATGTATTTA
CAATTTTTACAAAAGTAAAGTAAATGTTTATAATGAACATATTTAATAAACTATATCTGGTCAGTT
CCACTGTAA
ACGCGTAAGCGGCCGCGGCATCTAGATTCTGAAGAAAATGACCGACCAAGCGACGCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
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Restriction Sites: SgfI-MluI
OTI Disclaimer: Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences, e.g., single nucleotide polymorphisms (SNPs).



Components:	The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.
RefSeq:	<u>NM_000328.3</u>
Summary:	This gene encodes a protein with a series of six RCC1-like domains (RLDs), characteristic of the highly conserved guanine nucleotide exchange factors. The encoded protein is found in the Golgi body and interacts with RPGRIP1. This protein localizes to the outer segment of rod photoreceptors and is essential for their viability. Mutations in this gene have been associated with X-linked retinitis pigmentosa (XLRP). Multiple alternatively spliced transcript variants that encode different isoforms of this gene have been reported, but the full-length natures of only some have been determined. [provided by RefSeq, Dec 2008]
Locus ID:	6103
MW:	19.8