

Product datasheet for **SC327388**

RD3 (NM_001164688) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Tag Free
Symbol:	RD3
Synonyms:	Clorf36; LCA12
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC327388 representing NM_001164688. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAAATTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGTCCTCATCTCATGGCTTCGGTGGAAACGAGGCCCATCCCGGCTGTCCACCAGGAGCCCTGCTGAG
ATGGTGCTGGAGACGCTTATGATGGAGCTGACGGGGCAGATGCGAGAGGCTGAGAGGCAGCAGCGGGAG
CGCAGCAATGCGGTGAGAAAGGTCTGCACCGGTGTGGACTACAGCTGGCTGGCCAGCACACCCCGGTCC
ACCTATGACCTCAGCCCCATTGAGCGGTTGCAGCTGGAAGATGTCTGCGTTAAGATCCACCCATCCTAT
TGTGGGCTGCTATCCTCAGGTTCCGGCAGCTGCTGGCGGAGCAGGAGCCCGAGGTGCAGGAGGTGTC
CAGCTCTCCGCTCGGTGCTGCAGGAGGTCCTGGAGAGGATGAAGCAGGAAGAGGAGGCCCAAGCTG
ACGCGCCAGTGGAGCCTGCGGCCCGCGGCAGCCTGGCCACCTTCAAGACCCGCGCGCATCTCGCCC
TTCGCCAGCGACATCAGGACCATCTCCGAGGACGTGGAGCGGGACACACCGCCGCACTGCGGTCTGG
AGCATGCCGAATTCCGGGCGCCAAAGCCGACTGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGCCCGC
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Restriction Sites:	SgfI-MluI
ACCN:	NM_001164688
Insert Size:	588 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).
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:	<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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	NM_001164688.1
RefSeq Size:	4287 bp
RefSeq ORF:	588 bp
Locus ID:	343035
UniProt ID:	Q7Z3Z2
Cytogenetics:	1q32.3
MW:	22.7 kDa
Gene Summary:	<p>This gene encodes a retinal protein that is associated with promyelocytic leukemia-gene product (PML) bodies in the nucleus. Mutations in this gene cause Leber congenital amaurosis type 12, a disease that results in retinal degeneration. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Sep 2009]</p> <p>Transcript Variant: This variant (2) uses an alternate splice site in the 5' UTR compared to variant 1. Both variants 1 and 2 encode the same protein.</p>