

Product datasheet for **SC125750**

RD3 (NM_183059) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RD3 (NM_183059) Human Untagged Clone
Tag:	Tag Free
Symbol:	RD3
Synonyms:	C1orf36; LCA12
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene sequence for NM_183059 edited

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CCTACACACCCCAACAATAGTCCAGGCTGGATCTCTCCTCCTGTCTCTTCTCTTGGT
AAAACCTTCTCAGAGAACCAAGAGAGGCAAAATTTGAGGCCAGCCGGCAGCAGAGAA
GCTGAGGGAGACTTGAGGATGTAGACTGCCCTGCCCTGCTGTGGCTGCTCAACTTTCTTT
TTTTTCTGAAATATCCAGACACTCTCTTCTCCAGACTGGGAAGCAGAACGCAGGCC
CCCTGCTGTGACGCTGCACCTGAGCAGAGGCTGACCTCAGAGCAGGGCCAGGGGTATGT
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CTGAGATGGTGTGGAGACGCTTATGATGGAGCTGACGGGGCAGATGCGAGAGGCTGAGA
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GGCTGGCCAGCACACCCCGGTCCACCTATGACCTCAGCCCCATTGAGCGTTGCAGCTGG
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TGCAGGAGGTCTGGAGAGGATGAAGCAGGAAGAGGAGGCCACAAAGCTGACGCGCCAGT
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GAATGTCTATTTTTCTCCTTCCCTATCACCTTACATGTACCTATTCTCCCAAAGAGAAG
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CTCAGACTACTACAGGCTATCCCAGCTGGTGGCTCTCAAATTCATGAGGGTCCAGAAGT
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GAAACCTCAATAACCACAAATAAAGAACAAAAAGTTAAAAAAAAAAAAAAAAAAAAA
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**5' Read Nucleotide
Sequence:**

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>OriGene 5' read for NM_183059 unedited
NGACGATCAGGATTTGTAATACGACTCACTATAGGCGGCCGCGTATTCAGATCTGGTACC
GGTCCGGAATTCCTGGGATATCGTCGACCCACGCGTCCGCTACACACCCACAAACAAT
AGTCCAGGCTGGATCTCTCCTGTCTCTTCTTGGTAAAACCTTCTCAGAGAACCAAA
GAGAGGCAAAATTTGAGGCCAGCCGCGCAGCAGCAGAGAAGCTGAGGGAGACTTGAGGATG
TAGACTGCCCTGCCCTGCTGTGGCTGCTCACTTTCTTTTTTTTCTGAAAATATCCAG
ACACTCTCTTCTCCAGACTGGGAAGCAGAACGCAGGCCCTGCTGTGACGCTGCACCT
GAGCAGAGGCTGACCTCAGAGCAGGGCCAGGGGTATGTCTCTCATCTCATGGCTTCGGT
GGAACGAGGCCCATCCCGGCTGTCCACCAGGAGCCCTGCTGAGATGGTGTGGAGACGC
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ATGCGGTGAGAAAGGTGTCACCGGTGTGGACTACAGTGGCTGGCCAGCACACCCCGGT
CCACCTATGACCTCAGCCCCATTGAGCGGTTGCAGCTGGAAGATGTCTGCGTTAAGATCC
ACCCATCTATTGTGGGCTGCTATCCTCAGGTTCCGGCAGCTGCTGGCGGAGCAGGAGC
CCGAGGTGCAGGAGGTGTCCAGCTCTTCCGCTCGGTGCTGCAGGAGTCTGGAGAGGA
TGAAACANGAAGAGGAGGCCACAAAGCTGACGCGCCAGTGGAGCCTGCGGCCCGCGCA
GCCTGGCACTTTCAAGACCGGGCGCGCATCTCGCCCTTCGCCAGCGACCTCAGGA
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Restriction Sites:

Please inquire

ACCN:

NM_183059

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_183059.1 , NP_898882.1
RefSeq Size:	3351 bp
RefSeq ORF:	588 bp
Locus ID:	343035
UniProt ID:	Q7Z3Z2
Cytogenetics:	1q32.3
Gene Summary:	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] Transcript Variant: This variant (1) represents the longer transcript. Both variants 1 and 2 encode the same protein.