

Product datasheet for **SC319153**

RTBDN (NM_031429) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RTBDN (NM_031429) Human Untagged Clone
Tag:	Tag Free
Symbol:	RTBDN
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	<p>>OriGene sequence for NM_031429.1</p> <pre>GCGCGGACCCAACCTGGCTGCTGCAGTACTTGCTCTAACTTTGCCGCAGCTGCCTCCCTT CTCTCGGAACCCACTCTCCTAACCCACCCCGAGAGGCGGAGAGAATGTGGGAGCACTTC AGAGAGGCTAGGCTCCGAGATCGGGCCATCTGGGCTCTGAAAGCAAATTAGTTTTCCA ACTCATGTCTGGCTCCGGCGTTACCCAGACGCCTGGAAGGTCCTTCTGCAGTCTGATCA CCATTTTTCTGCTGCACTGACCAATCAGCTCCCCTTGGCCTTCAACCTCGGGAATGATG GATTAGGGGAGTCTAGAAATGGACGAAGCCCTAGAAACGCAGCTGAAGACGAGCAGAGGA CGCTTCTCGGCTACAGAAATCCCTCCCCACCTTGGAGCTTATCTCAGGTGGACATGGAC TGCAGGGTCCACATGCGACCCATCGGCCTGACGTGGGTGCTGCAACTGACCTTGGCATGG ATCCTGTAGAAAGCCTGTGGAGGGAGCCGCCACTCCAAGCCAGGTCCCAGCAACACCAT GGGCTGGCAGCTGATCTGGGCAAAGGCAAGCTGCACCTGGCAGGACCTTGTGTCCCTCA GAGATGGACACAACAGAGACATCGGGCCCTGAAACCATCCAGAACGCTGTGGAGTGCCG AGCCCTGAATGCGAATCCTTCTGGAACACCTCCAACGTGCCCTTCGCAGTCGTTCCGC CTGCGGCTATTGGGGGTACGCCAGGCACAGCCGCTCTGCGAGGAGCTCTGCCAGGCTGG TTCGCCAACTGCGAAGATGATATCACCTGCGGCCCGACTTGGCTCCCCTCTCAGAAAAA AGGGGCTGTGAGCCAGCTGCCTTACCTATGGACAGACCTTCGCAGACGGGACGGACCTT TGTCGCTCGGCTCTGGGCCACGCCCTACCGGTGGCTGCTCCTGGAGCCCGTCACTGCTTC AACATCTCCATCTCCGCGGTACCTCGTCCAGACCAGGACGACGGGGCCGGGAAGCTCCC TCCCGGCTTCCCGCAGCCCTCGCACCTCCATCCTGGACGCTGCGGGCAGCGGGAGTGGC AGTGGAAGCGGCAGCGGCCCTAGCGGACGCGTGGCCCTGAGTTGGGGGAGCGACCTTC CCCCAGCCCCGCCCTCAGGACACCCAGAACCCACCCCTCGTCTCTCGGCCTTCTGTA ATAGTTTTGAGATGTCTGTCCCTCCTCCCTGGAGCTCCAGAGACCCACCCCTCTCCAGGT TATCCCAGAAATGACCCAACCTCTCACTTTTCCCTCTCCCTTTGAATAAAGTCGCCAG CTAGAGCAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA</pre>
Restriction Sites:	Please inquire
ACCN:	NM_031429



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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.
RefSeq:	NM_031429.1 , NP_113617.1
RefSeq Size:	1355 bp
RefSeq ORF:	786 bp
Locus ID:	83546
UniProt ID:	Q9BSG5
Cytogenetics:	19p13.13
Domains:	Folate_rec
Protein Families:	Druggable Genome, Secreted Protein
Gene Summary:	<p>This gene was first identified in a study of human eye tissues. The protein encoded by this gene is preferentially expressed in the retina and may play a role in binding retinoids and other carotenoids as it shares homology with riboflavin binding proteins. Alternative splicing results in multiple transcript variants and protein isoforms. [provided by RefSeq, Jul 2012]</p> <p>Transcript Variant: This variant (2) differs in the 5' UTR and initiates translation at an alternate start codon, compared to variant 1. The encoded isoform (2) has a distinct N-terminus and is longer than isoform 1.</p>