

Product datasheet for **SC327255**

NIR1 (PITPNM3) (NM_001165966) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	NIR1 (PITPNM3) (NM_001165966) Human Untagged Clone
Tag:	Tag Free
Symbol:	NIR1
Synonyms:	ACKR6; CORD5; NIR1; RDGBA3
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >NCBI ORF sequence for NM_001165966, the custom clone sequence may differ by one or more nucleotides

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ATGGCCAAGGCGGGCCGTGCAGGTGGTCTCCCCGGGCGGCGGTGCCCCCTGGCACCTT
CGAAATGTCCTCAGTGACTCTGTGGAGAGCTCAGATGATGAATCTTTGATGCCAGAGGA
GAAGGGACCGCGCCGTGCACATCCAGCATCCTCCAGGAGAAGCAGCGAGAAGTGTACCGG
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GAGGAAGGCTGCCCGCAGCGCTCCTGCAAGACACATGTCCTCCTGCTGGTCTGCATGGG
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GCAGACCCCTCTGCCTCAGGCTCGAGCCACTGCTGGAGCCCAAGTTCACACTGGTCCG
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GCCAACCCCAAGCCGAGCGGGCCAGAGCCAGCCGAGTCGGACAAAGACCACGAGCGG
CCGCTGCCGCGCTCAGTGGGCGGTGGGCCCCCAAGTTTCGAGTCGGTGCCC

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Restriction Sites: Please inquire

ACCN:	NM_001165966
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:	<u>NM_001165966.1</u> , <u>NP_001159438.1</u>
RefSeq Size:	7053 bp
RefSeq ORF:	2817 bp
Locus ID:	83394
Cytogenetics:	17p13.2-p13.1
Protein Families:	Druggable Genome
Gene Summary:	<p>This gene encodes a member of a family of membrane-associated phosphatidylinositol transfer domain-containing proteins. The calcium-binding protein has phosphatidylinositol (PI) transfer activity and interacts with the protein tyrosine kinase PTK2B (also known as PYK2). The protein is homologous to a Drosophila protein that is implicated in the visual transduction pathway in flies. Mutations in this gene result in autosomal dominant cone dystrophy. Multiple transcript variants encoding different isoforms have been found for this gene.[provided by RefSeq, Sep 2009]</p> <p>Transcript Variant: This variant (2) lacks an alternate in-frame exon in the 5' coding region, compared to variant 1. The resulting isoform (2) lacks an internal segment, compared to isoform 1. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>