

Product datasheet for **SC305317**

NIR1 (PITPNM3) (NM_031220) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	NIR1 (PITPNM3) (NM_031220) 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: >OriGene sequence for NM_031220 edited
 ATGGCCAAGGCGGGCCGTGCAGGTGGTCTCCCCGGGCGGCGGTGCCCCCTGGCACCTT
 CGAAATGTCTCAGTGACTCTGTGGAGAGCTCAGATGATGAATCTTTGATGCCAGAGAG
 GAGATGGCTGAAGGGAAGAATGCCATCCTCATTGGGATGAGCCAGTGGAACTCCAATGAC
 CTCGTGGAGCAGATCGAGACCATGGGAAACTGGACGAGCATCAAGGAGAAGGGACCCGG
 CCGTGCACATCCAGCATCCTCCAGGAGAAGCAGCGAGAAGTGTACCGGGTTTCTTGAGA
 AGACAGAGGTTCCAGCCCAGGGAAGCATCGAGATCCACGAAGACAGCGAGGAAGGCTGC
 CCGCAGCGCTCCTGCAAGACACATGTCTCCTGCTGGTCCCTGCATGGGGAAACATCCTG
 GACACGGGTGCCGGGACCCGCTCTGCAAGGCAGCCGACATCCACACCTTCAGCTCCGTG
 CTGGAGAAGGTCACACGAGCCATTTCCCTGCTGCCCTGGGCCACATCCTCATCAAGTTC
 GTCCCCTGTCTGCCATCTGCTCTGAGGCTTTCTCGTTGTCTCTCACCTGAACCCCTAC
 AGCCACGATGAGGGTGCCTCAGCAGCAGCCAGGACCAGTCCCTCTGGCCGCCCTTCCC
 CTGTTGGCCATCTCTCCCCGAGTACCAGGATGCTGTCGCCACCGTCATCGAGCGAGCC
 AACCAGGTCTACAGAGAGTTCCTGAAGTCTCTGATGGGATTGGTTCAGTGGGCAGGTG
 TGTCTCATCGGGACTGTGTGGGGGGCCTCCTGGCCTTCGATGCCATCTGCTACAGTGGC
 GGGCCCTCAGGGGACAGCCCTGCCAGCAGCAGCCGGAAGGGGAGCATCAGCAGCACCCAG
 GACACCCAGTCGCGGTGGAGGAAGATTGCAGCCTGGCCAGCAGCAAGCGTCTCAGCAAA
 AGCAACATTGACATCTCCAGTGGGTTGGAGGATGAGGAGCCCAAGAGGCCGTTGCCGCGG
 AAACAGAGCGACTCCTCCACCTATGACTGCGAGGCCATCACCCAGCACCATGCCTTCCTC
 TCAAGCATCCACTCCAGCGTGCTAAAGGATGAGTCTGAGACCCCGGCGGCTGGGGGGCCG
 CAGCTCCCTGAGGTCAGCCTGGGCCGCTTGGACTTCGATGTGTCCGACTTCTTCTCTTC
 GGCTCGCCACTGGGCTGGTCTGGCCATGCGGAGGACGGTGTCTGCTGGGCTGGACGGC
 TTCCAGGTGCGTCTGCTGCAGCCAGGCTACAGCTTCTTCCATTGCGCAGACCCCTCT
 GCCTCACGGCTCGAGCCACTGCTGGAGCCCAAGTTCACCTGGTCCCGCTGTACGCGTG
 CCTCGCTACCAGAGGTTCCCACTGGGCGATGGGAGTCCCTCCTCCTCGTGATGCCCTA
 CACACCCACAGCCCTTCTCTGGAGGGCAGCTCCCGGGACAGCCCGCCACTTCTGGAT
 GCCCTGCCTCGCCCCCTCAGGCCTCGAGGTTCCAGCGCCAGGACGGAGGATGAGCGAG
 GGGAGCTCCACAGCGAGAGCTCGGAGTCTCGGACAGCATGGCACCCGTGGGTGCCTCC
 CGCATCACAGCCAAGTGGTGGGAAGCAAGAGGATCGACTATGCCCTGTACTGCCCTGAT
 GTCCTCACGGCTTCCCCACCGTGGCCCTGCCACCTTCCACGCCAGTACTGGGAG
 TCCACAGAGTGGTGGCCTTCTCCTGAGACAGGTAATGCGCTATGAGAGCGTGAACATC
 AAGGAAAGCGCCCGCTGGACCCTGCAGCACTGAGTCTGCCAACCCCGGGAGAAGTGG
 CTTCTGTAAGCGGACTCAGGTCAAGCTGAGGAATGTCACGGCTAATCACCGGGCAATGAT
 GTGATTGCTGCTGAAGATGGCCCCAGGTCTGGTGGGGCGGTTTCATGTACGGGCCCTC
 GACATGGTGGCTCTGACTGGAGAGAAGTGGACATCCTAGTAATGGCAGAGCCATCCTCA
 GGCCGCTGGGTACACCTGGACACAGAGATCACCAACAGCAGTGGTCCGATCACATAAAT
 GTGCCCGGCCCGGCGCCTGGGGTGGTGTCTATCCTGTGAAGATGGTGTGAGGGG
 GACCAGACCTGTGCCATGAGTACCTCACGGTGTGGCCAGGGCATGGAGTGTGTAGTG
 TTCAGCATTGATGGGCTTTCGCGGCCAGCGTGTCTATCATGGGAAGCGACCCCAAGGTC
 CGGCCGGTGCAGTGGATGTTGTCCGGCACTGGCAGGACTTGGGCTACATGATCCTTTAC
 ATCACGGGACGGCCGACATGCAGAAGCAGCGGTTGGTGTGCTGGCTGTCCAGCACAAAC
 TTCCACAGGGCATGATCTTCTCTCCGATGGGCTGGTGCATGACCCGCTGCGGCAGAAG
 GCCATCTTCTGCGCAACCTCATGCAGGAGTGCTTATCAAAATCAGTGGCGCTATGGC
 TCCACGAAGGACATCTGTCTACAGCGTGTGGGCTGCCTGCCTCCAGATCTTCATT
 GTGGGCCGGCCCAAGAAGTACCAAACCCAGTCCAGTTCCTGAGCGAGGGCTACGCC
 GCACACCTGGCCGCTGGAGGCCAGCCACCGCTCACGCCAAAGAAGAACAACCTCGCGC
 ATGATCCTGCGCAAGGGCAGCTTCGGGCTGCACGCGCAGCCAGAGTTCCTGCGGAAGCGC
 AACCCACTGCGCAGAACCATGTACAGTGCAGCAGCCGACCCGCCCCGCGCAACCCCAAG
 CCCGAGCGGGCCAGAGCCAGCCGAGTCCGACAAAGACCACGAGCGGCCGCTGCCGGCG
 CTCAGTGGGCGCGTGGGCCCCCAAGTTCGAGTCCGTGCCCTGA

Restriction Sites: Please inquire

ACCN:	NM_031220
Insert Size:	2900 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.
RefSeq:	<u>NM_031220.1</u> , <u>NP_112497.1</u>
RefSeq Size:	3109 bp
RefSeq ORF:	2925 bp
Locus ID:	83394
UniProt ID:	<u>Q9BZ71</u>
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 (1) represents the longer transcript and encodes the longer isoform (1). Sequence Note: The RefSeq transcript and protein were derived from transcript and genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.</p>