

Product datasheet for **SC325403**

NIR2 (PITPNM1) (NM_001130848) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	NIR2 (PITPNM1) (NM_001130848) Human Untagged Clone
Tag:	Tag Free
Symbol:	NIR2
Synonyms:	DRES9; NIR2; PITPNM; Rd9; RDGB; RDGB1; RDGBA; RDGBA1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC325403 representing NM_001130848. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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- Restriction Sites:** SgfI-MluI
- ACCN:** NM_001130848
- Insert Size:** 3732 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:

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_001130848.1](#)

RefSeq Size: 4245 bp

RefSeq ORF: 3732 bp

Locus ID: 9600

UniProt ID: [O00562](#)

Cytogenetics: 11q13.2

Protein Families: Druggable Genome

MW: 134.8 kDa

Gene Summary: PITPNM1 belongs to a family of membrane-associated phosphatidylinositol transfer domain-containing proteins that share homology with the Drosophila retinal degeneration B (rdgB) protein (Ocaka et al., 2005 [PubMed 15627748]).[supplied by OMIM, Mar 2008]
Transcript Variant: This variant (2) uses an alternate in-frame splice site at the end of an exon compared to variant 1. The resulting isoform (b) has the same N- and C-termini but is 1 aa shorter compared to isoform a.