

Product datasheet for RC219053L4V

NIR1 (PITPNM3) (NM_031220) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	NIR1 (PITPNM3) (NM_031220) Human Tagged ORF Clone Lentiviral Particle
Symbol:	NIR1
Synonyms:	ACKR6; CORD5; NIR1; RDGBA3
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_031220
ORF Size:	2922 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC219053).
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
RefSeq:	NM_031220.1
RefSeq Size:	3109 bp
RefSeq ORF:	2925 bp
Locus ID:	83394
UniProt ID:	Q9BZ71
Cytogenetics:	17p13.2-p13.1
Protein Families:	Druggable Genome
MW:	106.6 kDa


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Gene Summary:

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]