

Product datasheet for **SC329742**

Natriuretic Peptide Receptor C (NPR3) (NM_001204376) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Natriuretic Peptide Receptor C (NPR3) (NM_001204376) Human Untagged Clone
Tag:	Tag Free
Symbol:	NPR3
Synonyms:	ANP-C; ANPR-C; ANPRC; C5orf23; GUCY2B; NPR-C; NPRC
Vector:	pCMV6-Entry (PS100001)
Fully Sequenced ORF:	>SC329742 representing NM_001204376. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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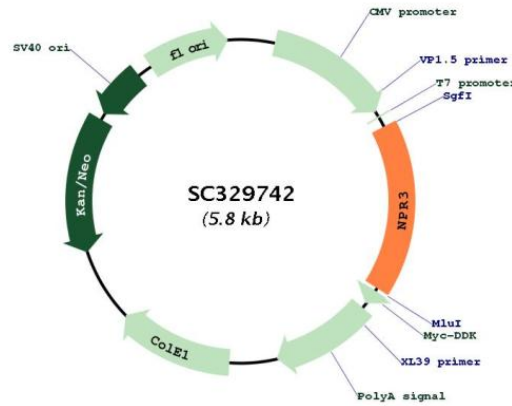
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Restriction Sites: Sgfl-Mlul



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Plasmid Map:



ACCN: NM_001204376

Insert Size: 975 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).

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_001204376.1](https://www.ncbi.nlm.nih.gov/RefSeq/ accession.html?acc=NM_001204376.1)

RefSeq Size:	6380 bp
RefSeq ORF:	975 bp
Locus ID:	4883
UniProt ID:	P17342
Cytogenetics:	5p13.3
Protein Families:	Druggable Genome, Transmembrane
MW:	36.7 kDa

Gene Summary: This gene encodes one of three natriuretic peptide receptors. Natriuretic peptides are small peptides which regulate blood volume and pressure, pulmonary hypertension, and cardiac function as well as some metabolic and growth processes. The product of this gene encodes a natriuretic peptide receptor responsible for clearing circulating and extracellular natriuretic peptides through endocytosis of the receptor. Multiple transcript variants encoding different isoforms have been found for this gene.[provided by RefSeq, Feb 2011]

Transcript Variant: This variant (3) differs in the 5' UTR, lacks a portion of the 5' coding region, and initiates translation at an alternate start codon, compared to variant 1. The encoded isoform (3) has a distinct N-terminus and is shorter than 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.