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Product datasheet for RC220459L1V

Natriuretic Peptide Receptor B (NPR2) (NM_003995) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Natriuretic Peptide Receptor B (NPR2) (NM_003995) Human Tagged ORF Clone Lentiviral Particle
Symbol:	Natriuretic Peptide Receptor B
Synonyms:	AMDM; ANPb; ANPRB; ECDM; GC-B; GCB; GUC2B; GUCY2B; NPRB; NPRBi; SNSK
Mammalian Cell Selection:	None
Vector:	pLenti-C-Myc-DDK (PS100064)
Tag:	Myc-DDK
ACCN:	NM_003995
ORF Size:	3141 bp
ORF Nucleotide Sequence:	`The ORF insert of this clone is exactly the same as(RC220459).`
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_003995.3
RefSeq Size:	3447 bp
RefSeq ORF:	3144 bp
Locus ID:	4882
UniProt ID:	P20594
Cytogenetics:	9p13.3
Protein Families:	Druggable Genome, Protein Kinase

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Protein Pathways:	Purine metabolism, Vascular smooth muscle contraction
MW:	117.02 kDa
Gene Summary:	This gene encodes natriuretic peptide receptor B, one of two integral membrane receptors for natriuretic peptides. Both NPR1 and NPR2 contain five functional domains: an extracellular ligand-binding domain, a single membrane-spanning region, and intracellularly a protein kinase homology domain, a helical hinge region involved in oligomerization, and a carboxyl-terminal guanylyl cyclase catalytic domain. The protein is the primary receptor for C-type natriuretic peptide (CNP), which upon ligand binding exhibits greatly increased guanylyl cyclase activity. Mutations in this gene are the cause of acromesomelic dysplasia Maroteaux type. [provided by RefSeq, Jul 2008]