

Product datasheet for **SC203972**

Natriuretic Peptide Receptor B (NPR2) (NM_003995) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	Natriuretic Peptide Receptor B (NPR2) (NM_003995) Human 3' UTR Clone
Symbol:	Natriuretic Peptide Receptor B
Synonyms:	AMDM; ANPb; ANPRB; ECDM; GC-B; GCB; GUC2B; GUCY2B; NPRB; NPRBi; SNSK
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_003995
Insert Size:	316 bp
Insert Sequence:	<p>>SC203972 3'UTR clone of NM_003995</p> <p>The sequence shown below is from the reference sequence of NM_003995. The complete sequence of this clone may contain minor differences, such as SNPs.</p> <p>Blue=Stop Codon Red=Cloning site</p> <pre> GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAGGCCAAGAAGGGCGGAAAGATCGCCGTG TAACAATTGGCAGAGCTCAGAATTCAAACGATCGCC GAGCGGAAAGGACCTCCTGGACTCCTGAAACCCCCATTCTTTCCAAGTCAGATAGTCTTCTGCTGCTG GTACCTGGGTGGGCAATGGCCACCATGTCTGCACACACCAGAAATGGACATTTTCATATGCAATGGAAA ACAGCCACAAAAAACCTACCTTATATGGAAGTTGTAGCCCTCTGCAGCTCAGCCCTGTACATATACCT GTCCCTCTCTGGCTTGGTCCCCTTCTCCCTACTTTCTGTAAATATCTGTATCTAAACCAGAATATTTT GGTCAAATATAAAACAATAATAAAAAAAGTTCTGATGTCA ACGCGTAAGCGGCCGCGGCATCTAGATTGGAAGAAATGACCGACCAAGCGACGCCAACCTGCCATCA CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG </pre>
Restriction Sites:	SgfI-MluI
OTI Disclaimer:	Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences, e.g., single nucleotide polymorphisms (SNPs).
Components:	The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.
RefSeq:	<u>NM_003995.4</u>



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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]
Locus ID:	4882
MW:	11.6