

Product datasheet for **SC207874**

Natriuretic Peptide Receptor A (NPR1) (NM_000906) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	Natriuretic Peptide Receptor A (NPR1) (NM_000906) Human 3' UTR Clone
Symbol:	Natriuretic Peptide Receptor A
Synonyms:	ANPa; ANPRA; GUC2A; GUCY2A; NPRA
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_000906
Insert Size:	608 bp
Insert Sequence:	>SC207874 3'UTR clone of NM_000906 The sequence shown below is from the reference sequence of NM_000906. The complete sequence of this clone may contain minor differences, such as SNPs. Blue =Stop Codon Red =Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
GGGGAGAGGGGAGTAGCACCCGAGGCTTGACTGCCTCCTCTCCTATCCCTCCACACCTCCCTACCCTG
TGCCAGAAGCAACAGAGGTGCCAGGCTCAGCCTCACCCACAGCAGCCCCATCGCCAAAGGATGGAAGT
AATTTGAATAGCTCAGGTGTGCTGACCCAGTGAAGACACCAGATAGGACCTCTGAGAGGGGACTGGCA
TGGGGGATCTCAGAGCTTACAGGCTGAGCCAAGCCCACGGCCATGCACAGGGACTCACACAGGCAC
ACGCACCTGCTCTCCACCTGGACTCAGGCCGGGCTGGGCTGTGGATTCTGATCCCTCCCTCCCAT
GCTCTCCTCCCTCAGCCTTGCTACCCTGTGACTTACTGGGAGGAGAAAGAGTACCTGAAGGGGAACAT
GAAAAGAGACTAGGTGAAGAGAGGGCAGGGGAGCCACATCTGGGGCTGGCCACAATACCTGCTCCCC
CGACCCCTCCACCCAGCAGTAGACACAGTGCACAGGGGAGAAGAGGGGTGGCGCAGAAGGGTTGGGGG
CCTGTATGCCTTGCTTCTACCATGAGCAGAGACAATTAATCTTTATTCCAGTGA
ACGCGTAAGCGGCCGCGGCATCTAGATTCTGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
  
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Restriction Sites:	Sgfl-Mlul
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).



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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:	NM_000906.4
Summary:	Guanylyl cyclases, catalyzing the production of cGMP from GTP, are classified as soluble and membrane forms (Garbers and Lowe, 1994 [PubMed 7982997]). The membrane guanylyl cyclases, often termed guanylyl cyclases A through F, form a family of cell-surface receptors with a similar topographic structure: an extracellular ligand-binding domain, a single membrane-spanning domain, and an intracellular region that contains a protein kinase-like domain and a cyclase catalytic domain. GC-A and GC-B function as receptors for natriuretic peptides; they are also referred to as atrial natriuretic peptide receptor A (NPR1) and type B (NPR2; MIM 108961). Also see NPR3 (MIM 108962), which encodes a protein with only the ligand-binding transmembrane and 37-amino acid cytoplasmic domains. NPR1 is a membrane-bound guanylate cyclase that serves as the receptor for both atrial and brain natriuretic peptides (ANP (MIM 108780) and BNP (MIM 600295), respectively).[supplied by OMIM, May 2009]
Locus ID:	4881
MW:	21.7