

Product datasheet for **MR228970**

Npr3 (NM_001286395) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Npr3 (NM_001286395) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Npr3
Synonyms: ANP-C; ANPR-C; EF-2; Igj; NPR-C; stri
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >MR228970 representing NM_001286395
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGTGTGCCAGTGGTGACACCATTCCGAGAATCATGTTGGCGGTGCACAGACACGGCATGACCAGTGGAG
ACTACGCTTTCTCAACATTGAACTCTTCAACAGTTCTTCTACGGAGATGGCTCGTGGAGGAGAGGAGA
CAAACACGACTCTGAAGCTAAACAAGCATACTCGTCCCTCAAACAGTCACCCTACTGAGGACCGTGAAA
CCTGAGTTTGAGAAGTTTTCCATGGAGGTGAAAAGTTCTGTTGAGAAACAAGGGCTCAATGAGGAGGATT
ACGTGAACATGTTTGTGAAGGGTTCATGACGCCATCCTCCTCTACGTTCTGGCTTTACATGAAGTACT
CAGAGCTGGCTACAGCAAGAAGGATGGGGGAAAATCATCCAGCAGACTTGGAACAGGACATTTGAAGGT
ATCGCCGGGCAGGTGTCCATAGATGCCAACGGGACCGGTATGGGGACTTCTCTGTGGTTGCCATGACTG
ACACTGAAGCAGGCACCCAAGAGGTCATTGGTGATTACTTTGGGAAAGAAGGCCGTTCCAAATGCGATC
GAATGTCAAATATCCTTGGGGCCCTTTGAACTGAGACTAGATGAGACCAGAATCGTGGAGCATAACCAAC
AGCTCTCCTTGCAAATCATGTGCCTAGAAGAATCTGCAGTGACAGGAATCGTTGTGGGGCCCTACTAG
GTGCTGGCTTGCTAATGGCCTTCTACTTTTTTCAGGAAGAAATACAGAATAACCATTGAGAGGCGAAATCA
GCAAGAGGAAAGCAACATCGGGAAGCATCGAGAGCTGCGAGAAGATTCCATCAGATCACATTTTTTCGGTG
GCT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



[View online »](#)

Protein Sequence: >MR228970 representing NM_001286395
 Red=Cloning site Green=Tags(s)

MCASGDTIRRIMLAVHRHGMTSGDYAFFNIELFNSSSYGDGSWRRGDKHDSEAKQAYSSLQTVTLLRTVK
 PEFEFKFSMEVKSSVEKQGLNEEDYVNMVVEGFHDAILLVYVLAHEVL RAGYSKKDGGKIIQQTWNRTFEG
 IAGQV SIDANGDRY GDFSVVAMTDTEAGTQEVIGDYFGKEGRFQMRSNVKYPWGPLKRLDETRIVEHTN
 SSPCKSCGLEESAVTGI VVGALLGAGLLMAFYFFRKKYRITIERRNQEE SNIGKHRELREDSIRSHFSV
 A

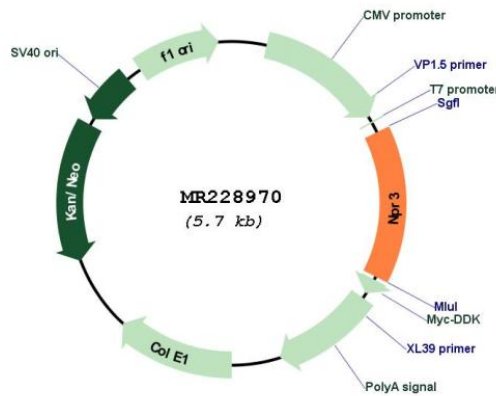
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001286395

ORF Size: 843 bp

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.
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:	<ol style="list-style-type: none">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_001286395.1 , NP_001273324.1
RefSeq Size:	6540 bp
RefSeq ORF:	846 bp
Locus ID:	18162
Cytogenetics:	15 5.83 cM
MW:	32.2 kDa
Gene Summary:	Receptor for the natriuretic peptide hormones, binding with similar affinities atrial natriuretic peptide NPPA/ANP, brain natriuretic peptide NPPB/BNP, and C-type natriuretic peptide NPPC/CNP (PubMed:10377427, PubMed:17951249). May function as a clearance receptor for NPPA, NPPB and NPPC, regulating their local concentrations and effects (PubMed:10377427, PubMed:17951249). May regulate diuresis, blood pressure and skeletal development (PubMed:10377427). Does not have guanylate cyclase activity (PubMed:10377427). [UniProtKB/Swiss-Prot Function]