

Product datasheet for **RR211072**

Bsnd (NM_138979) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Bsnd (NM_138979) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Bsnd
Synonyms: MGC93168
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR211072 representing NM_138979
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGCTGACGAGAAGACCTTCGAATCGGTTTCATCGTGCTGGGCCTTTCTGCTATCCCTGGGCACAT
TCCTTATGAGCCACGATCGACCCCAAGTCTACGGCACCTTCTATGCCATGGCAGCATCATGGTGATTGG
GGGTGCTCCTGGAGCATGTGCCAATGCTATCCTAAGATCACCTTGTGCCGGCAGACTCTGACTTCCAA
GGCATGTTGTCCCAAAGGCCCTGAGCCTGCTGGAGACTGGGCTTTCAGAAGTAAAGAGCCCCAGCCCC
CCTACGTGAGGCTGTGGGAAGAAGCCGCTTATGACCAGAGCCTCCAGACTTCACTCACATCCAAATGAA
GGTCATGGGCTACAGTGAGGACCCAGGCCACTGCTGGCCCCGAAGTGAAGACAGGAACCAGCAGTGCC
AAGGAAGGCGAGCCTCATTCTGCTCAGACCTGGATGGAGGCTGCGGTGGTCCATAGAGAGTTGGATG
AGAAGGAGGGAGAGAAATCTCGTTCTCAGAGCAGCCCTCCAGCGTGTCCCAAGGCTCTGCACCCCTTGGC
GTCATTTACGATGACTTGGACGTGGGTTCTAGCGAAGGCCGAGCCCCAGCCATCCCCACCTGACAGA
GATGAGGCACACCTGCAGGTGCCCTGGCCAGCAGAGGTCCACTGGATCGCTTCGGTGACTTTGCTCTGA
TTGATGACACCCCTATATCAGAGGACATGGCCCTGGAGGGCAGGCACAGGAGGAAGCTCTACCCAGCAA
GCAACCATGGTCCCTGAGGATGAAGGAGGAGACTGTCCAGGCAGGTGCAGAAGAACCAGAGCAGGAGGAG
GAAGATCTGTAACGCGGCTGCCCGACAGCCCTGGGGACCCCTCCCTGACAAAGAGTTGGGCTTTGAGC
CTGATGTCCAGGGT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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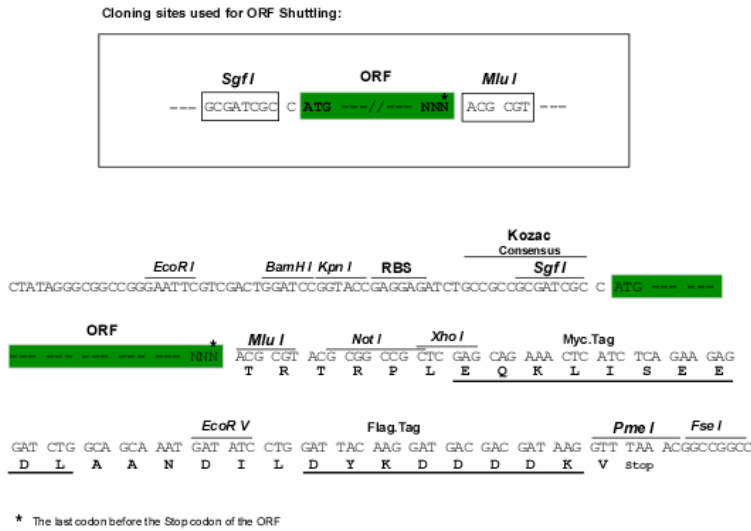
Protein Sequence: >RR211072 representing NM_138979
Red=Cloning site Green=Tags(s)

MADEKTRIGFIVLGLFLLSLGTFLMSHDRPQVYGTFFYAMGSIMVIGGVLWSMCQCYPKITFVPADSDFQ
 GMLSPKALSLLETGLSEVKSPQPPYVRLWEEAAYDQSLPDFTHIQMKVMGYSEDPRPLLAPELKTGTSSA
 KEGEPHSAQTWMEAAVVHRELDEKEGEKSRSQSSPPACSQGSAPLASFHDDLVDGSSSEGRSPQSPDDR
 DEAHLQVPWASRGPLDRFGDFALIDDTPISEDMGLEGQAQEEALPSKQPWSLRMKEETVQAGAEPEQEE
 EDLYYGLPDSGDPDPKELGFEPDVQG

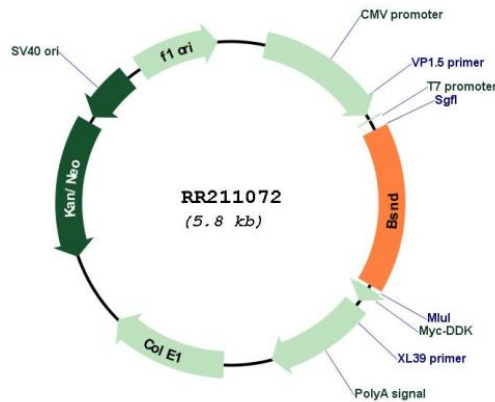
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_138979

ORF Size: 924 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_138979.2 , NP_620435.1
RefSeq Size:	2720 bp
RefSeq ORF:	927 bp
Locus ID:	192675
UniProt ID:	Q8R2H3
Cytogenetics:	5q34
MW:	33.9 kDa
Gene Summary:	binds to and activates ClC-K channels and is required for adequate tubular salt reabsorption in the kidney [RGD, Feb 2006]