

Product datasheet for **RR212506**

Btnl3 (NM_001002803) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Btnl3 (NM_001002803) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Btnl3
Synonyms:	Btnl1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RR212506 representing NM_001002803
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGAACGGATGAACCTAGGAAGCGAGAAGCCACTCAAAATAGACTTTGAGCTCCCGAGAAAACACAGCG
 TGGGAGTCCAAAAGCGTCTTGTTTTCTGTGAAGGGACCAGCTGAGCCATCACGGTCCTGCTGGGGAC
 TGATGCCACCCTGCCCTGCCAGCTGTCTCCTAAGCAGAGTGCAGCTCACATGCACATCCGATGGTACCGT
 GCCCAGCTCACCCCGCTGTGCTGGTGTCCACAATGGACAGGTGCAGGGAGAGGTGCAGATGCCGGAGT
 ACGAGGGCAGGACCCAGATGCTGGGACATGACATCGACACGGGCAGTGTGGCTCTGCAGATACAGCAAGT
 CCAAGCCTCTGACGATGGCCTGTACCACTGTGAGTTTTTCAGATGGCTTCCCTCCCAAGAAGTCTCCATA
 GAACCTCAGGTCGTAGGTTTAGGCTCTGCCCTTGTTCACATGACAGGACCTGAGAACAATGGCATCC
 GAGTGTGTGCTCCTCGAGTGGTGGTCCCGAAACCCAGAGTGCAGTGGAGAGACACCATCGGGGACAC
 TCTACTGTCTCTCTGAGTCACAGACCCTGGACAGAGATGGACTCTTCCACATAGAAACGTCTCTTTTG
 GTCACAGACAGAGCTATAGGCAATGTGATCTGCTCCATTCAAAATCCCATCTGGGACCAGGAGAAATCAA
 AGGCCATCCTCCTCCAGAGCCCTTCTCCCCACGACGTCTCCATGGAAGTAGCCCTGGCTTGATTCT
 CCCCATATTATTGGTCATCCTTGCTTGGACCAGCTTCGCTACCTGGAAGAACATCAAGTCAAAGGAGA
 GAAGAAAAGCAACTGTCAAAGAACAATGGGAAATGCGTCAGATGAAGGAGGAGACAAAAGTCCGGTGA
 AGGACAGAGATCGGAGGAAGGCACTATACAAAGAGGACTGGAAGATGGCCTTGCTGTACCCCGACTGGAG
 GAAGGAACTGTCCAGCTGGCTCCTGTGATGATAGATCATGAAATGCCTGACCAGAACAAATCGGACCCA
 AAGACAGAAGAGAACAGAGGTGAGGGGACAGAGATCCGTCCGTGCACTCACAACTACAAGTAGACACA
 TCATCACGCTCTCCAGGAAGGCTTTCATGTTGGGAGATACTACTGGGAGGTGGATGTCGAGGACCGGA
 GGAGTGGACACTGGGAGTTTATGAGCTGTACACTGAGGATGCATACCCACAGAATCGAAGAAATTCAGA
 GTCCTGGAAGAAAGGAGATGGATACAGGCTCTTGCCTTCTGTTCCCAAAACATTTCTTGGAAAGAC
 CTCTACAGCTGGAGACAGTCCACTGAAGATTGCCATCTTCTTGGATCAGGAGGACAATGACCTGTCTTT
 CTACAACATGACCGACGAGACACACATCTTCTCTTTGACCAGAACACTTCTTGGGATCACTCTACCCA
 TACTTCAAACGTAATTCATGGCGCTCTCCAACAGAACACCC

ACCGGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR212506 representing NM_001002803
 Red=Cloning site Green=Tags(s)

MERMNLGSEKPLKIDFELPRKHSVGVQKASWFSVKGAEPITVLLGTDATLPCQLSPKQSAAHMHIRWYR
 AQLTPAVLVFHNGVQGEVQMPYEYEGRTQMLGHDIDTGSVALQIQVQASDDGLYHCQFSDGFTSQEVSI
 ELQVVGLGSAPLVHMTGPENNGIRVLCSSSGWFPKPRVQWRDTIGDTLLSSSESQTLDRDGLFHIEISLL
 VTDRAIGNVICSIQNPIWDQEKSKAILLPEPFFPTTSPWKVALACILPILLVILAWTSFATWKEHQVKRR
 EEKQLSKEQWEMRQMKEETKSAVKDRDRRKALYKEDWKMALLYPDWRKELFQLAPVMIDHEMPDQNKSDP
 KTEENRGEADPSVDNSQVDDNIITLSQEGFMLGRYYWEVDVEDTEEWTLGVYELYTEDASPTESKKFR
 VLEKKGDGYRALAFCSQNI SLEEPLQLETRPLKIAIFLDQEDNDLSFYNMTDETHIF SFDQNTFLGSLYP
 YFKRNSMALSPTEQP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_001002803

ORF Size: 1515 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:

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_001002803.2](#), [NP_001002803.2](#)

RefSeq Size: 2175 bp

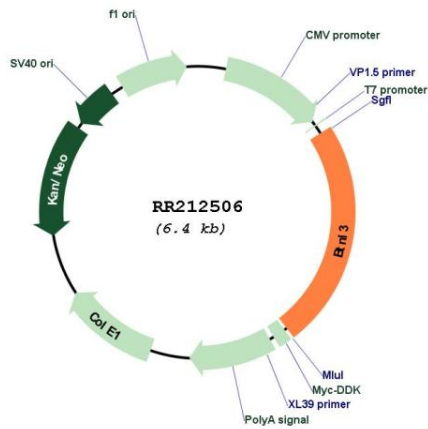
RefSeq ORF: 1518 bp

Locus ID: 407781

Cytogenetics: 20p12

MW: 57.7 kDa

Product images:



Circular map for RR212506