

Product datasheet for **MR212226**

Btnl4 (NM_030746) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Btnl4 (NM_030746) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Btnl4
Synonyms:	Btn3a3; EG632126; NG11
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR212226 representing NM_030746
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGAAAATCACCGCAAGCCCTCTCTGCTCTTCCATGTCCCTGTCTGTTTGCCTTACACAGCTGCTTA
 GCTGGGTGACCACACAGGAGTTCGGGTCTTTGGTCCCTCAGACCCATTGTGGCTGCACCAGGTGGGA
 AGCCATCCTTCCCTGCTCCGTGTTTCCAGCCATGAATGTGGAGAACATGGAAGAGTTGAGGTGGTCCGC
 AGCAGATTCTCAGAAGCAGTACTTTTCTATCGGGACCAAGAGGAGCAGAAGGAAGGCAGATGCCTGGGT
 ATTCACAGCGCACCTTGCTGGTGAAGGACCAGTTCATCAAGGCACAGCTGCTGTGAGGATCCTAAATGT
 CCAGGCATCAGATAGTGGGATATACATCTGCCACTTCCAGCAAGGAGTGTCTATGATGAGGCCATCTTG
 GAACTGAAGGTGGCAGCAATGGGCTCTGTCCCTGAAGTGCACATCAAAGTCCAGAAGATGGTGGAGTGT
 GTGTTGTGTGCATGACCTCAGGGTGGTACCCGGAGCCTCAGTGCATTGAAAGACTCCAGAGGAGAGAA
 TCTCACAGCATTCTCCTCAGAGACCCACACTAAGATGCTGAAGGACTGTTCCAGCACAGAGACCTTGCTG
 GTTGTGAGAGACAGCTCTGTGAGGAATGTACCTGCTCCATCTTCAATCCTATCTTGGGCCAGGAGAAA
 CCACAGCCATGTTTCATCCAGAGCCCTTCTCCCTCAGGCCTCTCCCTGGAAGCCAGCTTTTCTGTGAC
 CCTGACCATGATGGGACTACTAGTCTTAGGGACAAGCTATCTTCTCAGAAGGGAGCATTCTGCAAGGCTG
 AAGGTGCAGCAGGAAACGGTGAATTTTACGCGTGAGAAGGATGAGTCACTGAAGACAAGGATGATGCTC
 TGAGGACTGCTGGCGCACTCATGGTGGAGCGTGATCGAAGGAAAGCAGCTTACAGGGCAGCTTGAAGAA
 GGCCAGCTCTATGCAGATTGGCGCAAGGAGCACTTCGAGGCCTGGACTTCACTCTGGATCCAGCCTCT
 GCCACCCCATCCTTCCATCTCCCGAGCAGGCTGAGTGTGAGCCGGAAGGATCCACTCTGTGCTTGG
 ATGACCTCTTCTGTGTGTTAGGCATCAGAGGCATCTCTTCTGGAAGACATTACTGGAGGTGAAGCTAAG
 GAATGGTGACAGCAGCAAGTGGACTCTGGGGTCTGTAGGGAAGGTGTGGACAGGAAAGGCTGTTTCTCA
 GAGTGTCCACATAAGGGTTTTGGACTGTGGGCGGTCTAGTAGTGGATATTTGGCTTATATTGACTG
 GGACAGCTTTATATCTCTCAGGCAAGCTCCGAGAGTGTGGGGTGTGTTGTGGACTACTGAAGGTGA
 CATCTCCTTATAACATGAGTGACATGTCCCATGTTCTCCTTCCATGAGGCTTCTTCTCTGGGACT
 CTTTTTCCATACTTCAAGCTTAAGTCTGGAATGTTTCAATGATTATCCAATCCATGGCATGCGCATCTG
 AGGGGAGGGAGGAGAAGACAGAAGGAGAGGAAGGAAAAGAGTGAAGGGGAGGAAGGGGAAGAGGAC
 AAAGAGGGGAAGAAATTAGTTTTGCTTCTTTGGAGGAGTCTCTGAGTCTGCAGGGGAGGCCTGGTT
 CCAGGCTCTGTGTTGTGGATTCTTTCCAGAGGAAGTCTCTCCATTCTCAGCATGCCAGGAAGTCTC
 GTTCCCA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR212226 representing NM_030746
 Red=Cloning site Green=Tags(s)

MENHRKPSLLFHVPCLFVLTQLLSWTTQEFRVFGPSDPIVAAPGGEAILPCSVFPAMNVENMEELRWFR
 SRFSEAVLFYRDQEEQKEGQMPGYSQRTLLVKDQFHQGTAAVRILNVQASDSGIYICHFQQGVFYDEAIL
 ELKVAAMGSVPEVHIKGPEDGGVVCMTSGWYPEPQVHWKDSRGENLTAFSSEHTKDAEGLFSTETLL
 VVRDSSVRNVTCIFNPILGQEKATAMF IPEPFFPQASPKPAFLVLTMMGLLVLTGSYLLRREHSARL
 KVQQETVNFQREKDESLKTRDDALRTAGALMVERDRRKAAYRAAWKKAQLYADWRKEHFEAWFTLDPAS
 AHPILAISPDRLSVSRKDSLCLDDLFCVLGIRGISSGRHYWEVKLRNGDSSKWTLVGCREGVDRKGCFS
 ECPHKGFVTVGRSSSYLAYIDTGTALLSLRQAPQSVGVFVDYTEGDISFYNMSDMPMFSFHEASFSGT
 LFPYFRLKSGNVSMIIQSMACASEGREGEDRRRGRKRSRKRGRKGRKTRKGRKLVLLPLEESLSPAGEGLV
 PGSCVDSFPPEVSPFLQHARNSLFP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_030746

ORF Size: 1758 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_030746.1](#), [NP_109671.1](#)

RefSeq Size: 1761 bp

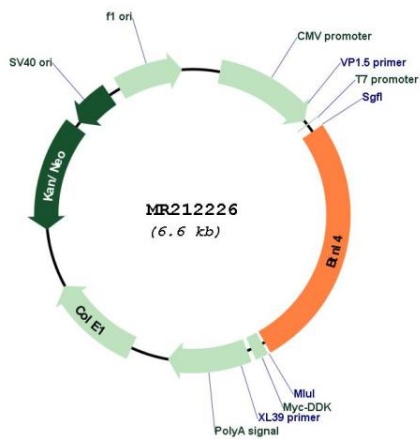
RefSeq ORF: 1761 bp

Locus ID: 632126

Cytogenetics: 17 18.06 cM

MW: 66.3 kDa

Product images:



Circular map for MR212226