

Product datasheet for **MR216100**

Bysl (NM_016859) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Bysl (NM_016859) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Bysl
Synonyms:	Bys; Enp1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>MR216100 representing NM_016859
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGCCAAATTCAGGTGACACGTGGGCCAGCAATCGGAGAAGCATGCACCTCTGGCCGAGCAGATCC
 TGGCTGGGAACGCAGTGC GCGCGGGACCCGAGAAAAACGGCGGGGCGTGAGGTCGAAGAGGAGGAAGA
 GTATGTGGGACCCCGCTAAGCAGACGGATTTTGCAGCAAGCCAGACAACAGCAGGAGGAGCTCGAACT
 GACCATGGGGCTGGTATCGGTACGACCACCGCAGAGCGGCCACGCGGCTGGGGCCGGGATTGCCAC
 AGGATGGATCAGATGAGGAGGATGAGGAGTGGCTACCTGGAGAAGGCAGCCAAATGGCCGGGTGGA
 CCACCAGGCAGAGGTGATCGTGGACCCTGAAGATGAGCGTGCCATTGAAATGTTTCATGAACAAGAATCCT
 CCCGTGAGGCGCACCTGGCTGATATCATCATGGAGAAGTTGACGGAGAAGCAGACAGAGGTGGAGACTG
 TCATGTCAGAGGTATCGGGCTTCCCTATGCCTCAGCTGGATCCCCGGTCTGGAAGTTTACCGAGGAGT
 CCGGGAGGTGTTATGTAAGTACCGCAGTGGAAACTGCCAAGGCTTTTAAAGTCATCCCTGCACGTGCC
 AACTGGGAGCAGATCCTCTATGTCACTGAGCCTGAGGCCTGGACTGCAGCCGCCATGTATCAAGCCACCA
 GGATTTTGCCTCTAACTTGAAGGAGCGCATGGCTCAGCGCTTCTACAACCTTGCTGCTTCCCGAGT
 GCGAGATGACATTGCTGAATACAAACGACTCAACTTTCACCTCTACATGGCGCTCAAGAAGGCCCTGTT
 AAGCCTGGAGCCTGGTTCAAAGGAATCCTGATCCCACTGTGTGAGTCCGGCACCTGTACCCTCCGTGAAG
 CCATCATCGTGGGAGCATATCACCAAGTGTCCATCCCCGTGCTGACTCCAGTGCAGCCATGCTGAA
 GATCGCAGAAATGGAATACAGCGGTGCCAACAGCATCTTCTGCGCTGCTGCTGGATAAGAAGTACGCA
 TTGCCCTACCGCGTGTGACGCTCTGGTCTTCCACTTCTGCGCTTCCGGACGGAAAAGCGCCAGCTGC
 CTGTCTCTGGCACCAGTGCCTGCTGACTAGCGCAGCGCTATAAGGCTGACCTGGCCACAGAGCAGAA
 GGAGGCCCTCCTGGAGCTGCTTCCGCTGACGCCACCCGAGCTGTCCCCTGAGATCAGCGGTGAGCTT
 CAGAGCGCTGTCCCAGAGACGTGGAGGATGGTGGTGTACCATGGAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR216100 representing NM_016859
 Red=Cloning site Green=Tags(s)

MPKFKVTRGASNREKHAPLAEQILAGNAVRAAGTREKRRGREVEEEEEYVGPRLSRRILQQARQQELET
 DHGAGDRSAPPRERATRLGPGLPQDGSDEEDEEWPTLEKAAKMAGVDHQAEVIVDPEDERIAEMFMNKNP
 PVRRTLADIIMEKLTEKQTEVETVMSEVSGFPMPQLDPRVLEVYRGVREVLCKYRSGKLPKAFKVIPALS
 NWEQILYVTEPEAWTAAAMYQATRIFASNLKERMAQRFYNLVLPRVRDDIAEYKRLNFHLYMALKKALF
 KPGAWFKGILIPLCESGTCTLREAIIVGSIITKCSIPVLHSSAAMLKIAEMEYSGANSIFLRLLLDKKYA
 LPYRVLDALVFHFLAFRTEKRQLPVLWHQCLLTLAQRYKADLATEQKEALLELLRLQPHQLSPEIRREL
 QSAVPRDVEDGGVTME

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mm9076_g02.zip

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM_016859

ORF Size: 1311 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_016859.2](#)

RefSeq Size: 3854 bp

RefSeq ORF: 1311 bp

Locus ID: 53414

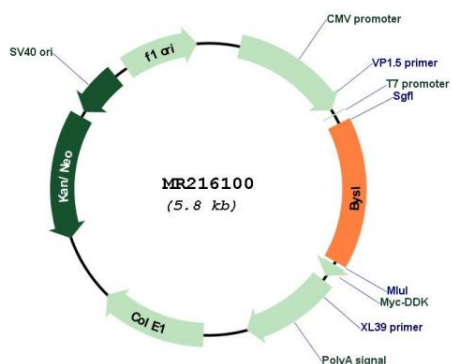
UniProt ID: [O54825](#)

Cytogenetics: 17 23.63 cM

MW: 49.8 kDa

Gene Summary: Required for processing of 20S pre-rRNA precursor and biogenesis of 40S ribosomal subunits. [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR216100