

## Product datasheet for **RR202249**

### **Bysl (NM\_182674) Rat Tagged ORF Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Bysl (NM\_182674) Rat Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Bysl  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**ORF Nucleotide Sequence:** >RR202249 representing NM\_182674  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCCCGATCGCC

ATGCCAAATTAAGGTGACACGTGGGGCCAGAAATCAAGAGAGACATGCACCTCTGGCGGAGCAGATTC  
TGGCTGGGGACGCAGTGCCTGCGGGACCCGAGAAAAACGGCGGAGACACGGGGTGAAGAGGAGGAAGA  
GTATGTGGGACCCCGGTTGAGCAGACGGATTTTGCAACAAGCCCGCAGCAGCAGGAGGAGCTCGAGACT  
GAACACGCGACTGGAGATCGGCCGCAAAACCGCGAGAGCGGCCACGCGCTGGGGCCAGGAGTGCAC  
AGGATGGATCGGATGAGGAGGATGAGGAATGGCCTACCCTGGAGAAGGCAGCCAAATGACCGTGGTGAA  
CCACCAGGCAGAGGTAGTGGTGGACCCTGAAGATGAACGCGCCATTGAAATGTTTCATGAACAAGAACCCT  
CCTGTCAGGCGCACCCCTGGCTGACATCATGAGAGAAGCTGACTGAGAAGCAGACAGAGGTGGAGACTG  
TCATGTCAGAAGTATCGGGCTCCCTATGCCTCAGCTGGATCCCCGGTCTGGAAGTCTACAGAGGAGT  
CCGGGAGGTGTTATGTAATATCGCAGTGGGAACTGCCAAGGCTTTAAGATCATCCCTGCCCTGTCC  
AACTGGGAGCAGATCCTCTATGTCACGGAGCCGAGGCCCTGACTGCAGCTGCCATGTATCAAGCCACCA  
GGATTTTGCCTCTAACCTGAAGGAGCGCATGGCTCAGCGCTTCTACAACCTTGTCTGCTTCCCGAGT  
ACGAGATGACATTGCTGAATACAAACGACTCAACTTCCACCTCTACATGGCACTCAAGAAGGCCCTGTT  
AAACCTGGAGCCTGGTTCAAAGGAATCCTGATCCCGCTGTGTGAGTCTGGCACCTGTACCCTCCGAGAAG  
CCATCATCGTGGGAGCATCATCAGCAAGTGTCCATCCCTGTGTTGCACTCCAGTGCAGCCATGCTGAA  
GATCGCGGAGATGGAGTACAGTGGTCCAGCAGCATCTTCTGCGCTGCTGCTCGATAAGAAGTATGCA  
CTGCCCTACCGGGTGTCTGACGCTCTGGTCTTCCATTTCTGGCCTTCCGGACGGAGAAGCGCCAGCTGC  
CCGTGCTTTGGCACCAGTGCCTACTGACACTAGCACAGCGCTACAAGGCTGACCTGGCCACGGAGCAGAA  
GGAGGCCCTCCTAGAAGTGTCTCGGCTGCAGCCCCACCCACAGCTATCCCCGAAATCAGGCGTGAGCTT  
CAGAGTGCAGTCCCAGAGATGTGAAGATGTTGTTGTACCATTGGAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >RR202249 representing NM\_182674  
 Red=Cloning site Green=Tags(s)

MPKLKVTRGARNQERHAPLAEQILAGDAVRAGTREKRRRHGVEEEEEYVGPRLSRRILQQARQQEELET  
 EHATGDRPAKPRERATRLGPGVPQDGSDEEDEEWPTLEKAAKMTVVNHQAEVVVDPEDERAIEFMNKNP  
 PVRRTLADIIMEKLTEKQTEVETVMSEVSGFPMPQLDPRVLEVYRGVREVLCKYRSGKLPKAFKIIPALS  
 NWEQILYVTEPEAWTAAAMYQATRIFASNLKERMAQRFYNLVLLPRVRDDIAEYKRLNFHLYMALKKALF  
 KPGAWFKGILIPLCESGCTLREAIIVGSII SKCSIPVLHSSAAMLKIAEMEYSGASSIFLRLLLDKKYA  
 LPYRVLDALVFHFHAFRTEKRQLPVLWHQCLLTLAQRKADLATEQKEALLELLRLQPHQLSPEIRREL  
 QSAVPRDVEDVVVTME

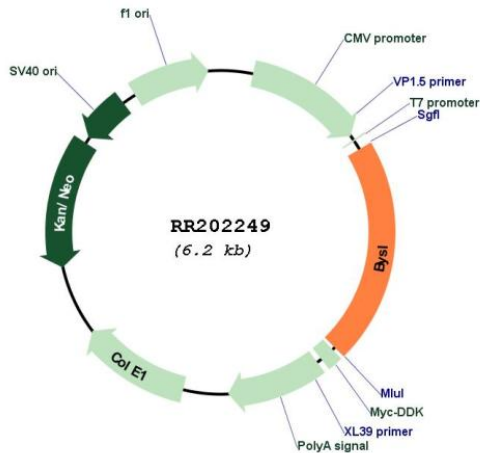
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



<b>ACCN:</b>	NM_182674
<b>ORF Size:</b>	1308 bp
<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_182674.3</a> , <a href="#">NP_872615.3</a>
<b>RefSeq Size:</b>	1696 bp
<b>RefSeq ORF:</b>	1311 bp
<b>Locus ID:</b>	359727
<b>UniProt ID:</b>	<a href="#">Q80WL2</a>
<b>Cytogenetics:</b>	9q12
<b>MW:</b>	50 kDa
<b>Gene Summary:</b>	Required for processing of 20S pre-rRNA precursor and biogenesis of 40S ribosomal subunits. [UniProtKB/Swiss-Prot Function]