

Product datasheet for **MC201501**

Blvrb (NM_144923) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Blvrb (NM_144923) Mouse Untagged Clone
Tag: Tag Free
Symbol: Blvrb
Synonyms: MGC11726; MGC27866
Mammalian Cell Selection: Neomycin
Vector: PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection: Kanamycin (25 ug/mL)

Fully Sequenced ORF: >BC027279 sequence for NM_144923
GGTGAGGCGGAGAGTGGAACTTGTCTGGTCCCGCCCCCTCTTCTGGGTCGAGGAGGACCCGCAGCGG
CCTCCTCGCAGCCACTGTGTTCCCGCGCGTCTCAGAGTTCTCAGCTTTTCCGGCCTGGACCCCGCAGC
ATGACTGTCAAGAAGATCGCGATCTTCGGTGCCACCGGCAGGACCGGGCTCACCACACTGGCGCAGGCGG
TGCAAGCAGGTTATGAGGTGACGGTCTGGTTCGAGACTCCAGCAGGCTGCCATCAGAAGGACCCGAGCC
AGCCCATGTGGTGGTGGGAGATGTTCCGGCAGGCGCCGATGTGGACAAGACTGTGGCTGGGCAGGAAGCT
GTCATCGTCTACTGGGCACTGGCAACGACCTCAGTCCCCTACAGTAATGTCCGAGGGCACCCGGAAACA
TCGTGACAGCCATGAAGGCACATGGAGTGGACAAGGTCGTGGCCTGCACCTCGGCCTTCTACTATGGGA
CCCGACCAAGGTGCCCCACGCCTGCAGGACGTGACCGATGACCACATCCGGATGCATAAGATTCTGCAA
GAGTCAGGGCTGAAATACGTGGCAGTGATGCCCCACACATAGGAGACCAACCCTAACTGGGGCTACA
CGGTGACCCTGGATGGACGAGGGCCCTCGAGGGTCATATCCAAGCATGACCTGGGCCACTTCATGCTACG
GTGCCTCACCACCAATGAGTATGACGGACACACCCTACCCCTCCACCAAGTATGATTAGCACCCCTGAC
CTAGGTGGGGAGGGTCACGCATCCTAAGAAATGACACAAATAGAGGGGTCAATAAATTTTATGCCAAGAG
TTTCAAATTTCTTCAGGAAGCCTAAAAAAAAAAAAAAAA

Restriction Sites: RsrII-NotI

ACCN: NM_144923

Insert Size: 621 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

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).



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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: [BC027279](#), [AAH27279](#)

RefSeq Size: 878 bp

RefSeq ORF: 621 bp

Locus ID: 233016

UniProt ID: [Q923D2](#)

Cytogenetics: 7 A3

Gene Summary: Broad specificity oxidoreductase that catalyzes the NADPH-dependent reduction of a variety of flavins, such as riboflavin, FAD or FMN, biliverdins, methemoglobin and PQQ (pyrroloquinoline quinone). Contributes to heme catabolism and metabolizes linear tetrapyrroles. Can also reduce the complexed Fe(3+) iron to Fe(2+) in the presence of FMN and NADPH. In the liver, converts biliverdin to bilirubin.[UniProtKB/Swiss-Prot Function]
Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1). Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.