

Product datasheet for MC225729

Blvrb (NM_001290525) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Blvrb (NM_001290525) Mouse Untagged Clone
Tag: Tag Free
Symbol: Blvrb
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Fully Sequenced ORF: >MC225729 representing NM_001290525

Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGTCCGAGGGCACCCGGAACATCGTGACAGCCATGAAGGCACATGGAGTGGACAAGGTCGTGGCCTGCA
 CCTCGGCCTTCTACTATGGGACCCGACCAAGGTGCCCCACGCCTGCAGGACGTGACCGATGACCACAT
 CCGGATGCATAAGATTCTGCAAGAGTCAGGGCTGAAATACGTGGCAGTGATGCCCCACACATAGGAGAC
 CAACCTAACTGGGGCTACACAGTGACCCTGGATGGACGAGGGCCCTCGAGGGTCATATCCAAGCATG
 ACCTGGGCCACTTCATGCTACGGTGCCTCACCACCAATGAGTATGACGGACACACCACCTACCCCTCCCA
 CCAGTATGACT**AG**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001290525
Insert Size: 363 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).
OTI Annotation: Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.



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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:	<ol style="list-style-type: none"> 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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_001290525.1</u> , <u>NP_001277454.1</u>
RefSeq Size:	779 bp
RefSeq ORF:	363 bp
Locus ID:	233016
Cytogenetics:	7 A3
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (2) contains an alternate first exon compared to variant 1. The resulting isoform (2) is shorter at the N-terminus compared to 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.</p>