

Product datasheet for **RG210769**

BLVRB (NM_000713) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: BLVRB (NM_000713) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: BLVRB
Synonyms: BVRB; FLR; HEL-S-10; SDR43U1
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG210769 representing NM_000713
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCCGTCAAGAAGATCGCGATCTTCGGCGCCACTGGCCAGACCGGGCTCACCACCTGGCGCAGGCGG
 TGCAAGCAGGTTACGAAGTGACAGTGCTGGTGCGGGACTCCTCCAGGCTGCCATCAGAGGGGCCCGGCC
 GGCCACGTGGTAGTGGGAGATGTTCTGCAGGCAGCCGATGTGGACAAGACCGTGGCTGGCAGGACGCT
 GTCATCGTGTCTGGGACCCGAATGACCTCAGTCCCAGCAGTGTGTCGAGGGCCCGCGAACA
 TTGTGGCAGCCATGAAGGCTCATGGTGTGGACAAGGTCGTGGCCTGCACCTCGGCTTTCCTGCTCTGGGA
 CCCTACCAAGGTGCCCCACGACTGCAGGCTGTGACTGATGACCACATCCGGATGCACAAGGTGCTGCGG
 GAATCAGGCTGAAGTACGTGGCTGTGATGCCGCCACACATAGGAGACCAGCCACTAACTGGGGCGTACA
 CAGTGACCCTGGATGGACGAGGGCCCTCAAGGGTCATCTCCAAACATGACCTGGGCCATTTTCATGCTGCG
 CTGCCTCACCACCGATGAGTACGACGGACACAGCACCTACCCCTCCCACCAGTACCAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG210769 representing NM_000713
 Red=Cloning site Green=Tags(s)

MAVKKIAIFGATGQTGLTTLAQAVQAGYEVTVLVRDSSRLPSEGPRPAHVVDVLAADVDKTVAGQDA
 VIVLLGTRNDLSPTTVMSEGARNIVAAMKAHGVDKVVACTSAFLLDPTKVPRLQAVTDDHIRMHKVLR
 ESGLKYVAVMPPHIGDQPLTGAYTVTLDRGPRSVISKHDLGHFMRCLTTDEYDGHSTYPHQYQ

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI



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Cloning Scheme:


ACCN: NM_000713

ORF Size: 618 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_000713.3](#)

RefSeq Size: 824 bp

RefSeq ORF: 621 bp

Locus ID: 645

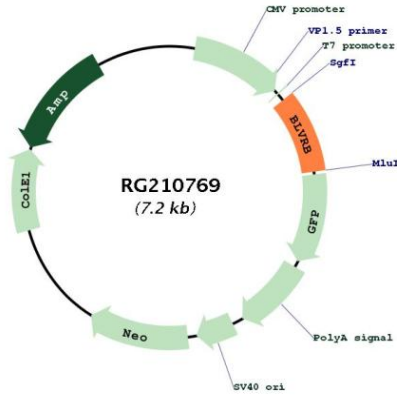
UniProt ID: [P30043](#)

Cytogenetics: 19q13.2

Protein Pathways: Porphyrin and chlorophyll metabolism

Gene Summary: The final step in heme metabolism in mammals is catalyzed by the cytosolic biliverdin reductase enzymes A and B (EC 1.3.1.24).[supplied by OMIM, Jul 2009]

Product images:



Circular map for RG210769