

Product datasheet for RG217849

BLOC1S2 (NM 173809) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: BLOC1S2 (NM_173809) Human Tagged ORF Clone

Tag: TurboGFP Symbol: BLOC1S2

Synonyms: BLOS2; BORCS2; CEAP; CEAP11

Mammalian Cell Neomycin

Selection:

Vector: pCMV6-AC-GFP (PS100010)

E. coli Selection: Ampicillin (100 ug/mL)

ORF Nucleotide >RG217849 representing NM_173809

Sequence: Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC

GCCGCGATCGCC

AAGCGA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG217849 representing NM_173809

Red=Cloning site Green=Tags(s)

MAAAAEGVLATRSDEPARDDAAVETAEEAKEPAEADITELCRDMFSKMATYLTGELTATSEDYKLLENMN KLTSLKYLEMKDIAINISRNLKDLNQKYAGLQPYLDQINVIEEQVAALEQAAYKLDAYSKKLEAKYKKLE

KR

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-Mlul



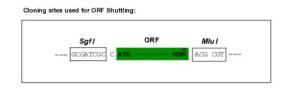
OriGene Technologies, Inc. 9620 Medical Center Drive, Ste 200

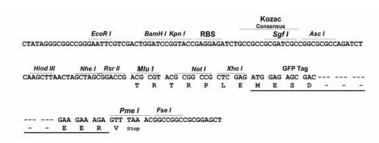
CN: techsupport@origene.cn

Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com

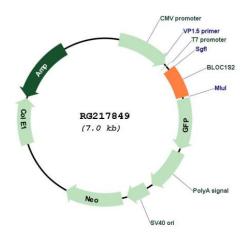


Cloning Scheme:





Plasmid Map:



ACCN: NM 173809

ORF Size: 426 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.



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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: 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: <u>NM 173809.5</u>

 RefSeq Size:
 2679 bp

 RefSeq ORF:
 429 bp

 Locus ID:
 282991

 UniProt ID:
 Q6QNY1

 Cytogenetics:
 10q24.31

Gene Summary: This gene encodes a protein with multiple functions. The encoded protein has been found in

association with the centrosome, shown to co-localize with gamma-tubulin, and also found to be one of the proteins in the BLOC-1 complex which functions in the formation of lysosome-related organelles. A pseudogene of this gene is located on the X chromosome. Alternative

splicing results in multiple transcript variants. [provided by RefSeq, Feb 2012]