

Product datasheet for RG235586

BLOC1S2 (NM 001282438) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: BLOC1S2 (NM_001282438) 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 >RG235586 representing NM_001282438.

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

GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC

TACAAGAAGCTGGAGAAGCGA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC

Protein Sequence: >Peptide sequence encoded by RG235586

Blue=ORF Red=Cloning site Green=Tag(s)

MFSKMATYLTGELTATSEDYKLLENMNKLTSLKYLEMKDIAINISRNLKDLNQKYAGLQPYLDQINVIE

EQVAALEQAAYKLDAYSKKLEAKYKKLEKR

TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGGEGTPEQGRMTNKMKSTKGALTFSPYLLSHV MGYGFYHFGTYPSGYENPFLHAINNGGYTNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPED SVIFTDKIIRSNATVEHLHPMGDNDLDGSFTRTFSLRDGGYYSSVVDSHMHFKSAIHPSILQNGGPMFA

FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV

Restriction Sites: Sgfl-Mlul



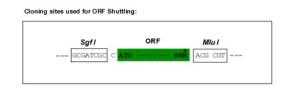
OriGene Technologies, Inc. 9620 Medical Center Drive, Ste 200

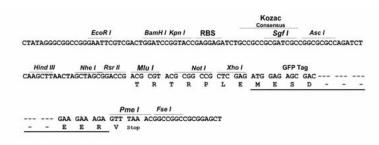
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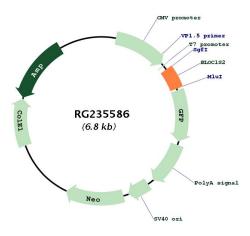


Cloning Scheme:





Plasmid Map:



ACCN: NM_001282438

ORF Size: 297 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



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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).

RefSeq: <u>NM 001282438.1, NP 001269367.1</u>

RefSeq Size: 2649 bp
RefSeq ORF: 300 bp
Locus ID: 282991

UniProt ID:Q6QNY1Cytogenetics:10q24.31MW:11.5 kDa

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]