

Product datasheet for **RG202351**

BLOC1S2 (NM_001001342) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Tag: TurboGFP
Symbol: BLOC1S2
Synonyms: BLOS2; BORCS2; CEAP; CEAP11
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)

ORF Nucleotide Sequence: >RG202351 representing NM_001001342
Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTGAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**

ATGTTCTCCAAAATGGCCACTTACCTGACTGGGGAAGTACGCGCCACCAGTGAAGACTATAAGCTCCTGG
AAAATATGAATAAACTACCAGCTTGAAGTATCTTGAATGAAAGATATTGCTATAAACATTAGTAGGAA
CTTAAGGACTTAAACCAGAAATATGCTGGACTGCAGCCTTATCTGGATCAGATCAATGTCATTGAAGAG
CAGGTAGCAGCTCTTGACAGGCAGCTTACAAGTTGGATGCATATTCAAAAAAAGTGAAGCCAAGTACA
AGAAGCTGGAGAAGCGA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG202351 representing NM_001001342
Red=Cloning site Green=Tags(s)

MFSKMATYLTGELTATSEDYKLENNMNLTSKYLEMKDIAINISRNLDLNQKYAGLQPYLDQINVIEE
QVAALEQAAYKLDAYSKKLEAKYKKLEKR

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI



Cloning Scheme:



ACCN: NM_001001342

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](#)

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).

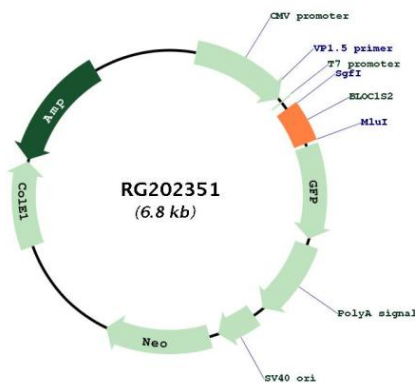
Reconstitution Method:

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.

Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_001001342.2</u>
RefSeq Size:	2024 bp
RefSeq ORF:	300 bp
Locus ID:	282991
UniProt ID:	<u>Q6QNY1</u>
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]

Product images:



Circular map for RG202351