

## 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 Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >RG217849 representing NM\_173809  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCGCGCCGAGCCGAGGGCGTACTGGCGACCCGGAGTGATGAGCCCGCCGAGACGATGCCGCCGTGG  
AGACAGCTGAGGAAGCAAAGGAGCCTGCTGAAGCTGACATCACTGAGCTCTGCCGGGACATGTTCTCAA  
AATGGCCACTTACCTGACTGGGAACTGACGGCCACCAGTGAAGACTATAAGCTCCTGGAAAATATGAAT  
AAACTCACCAGCTTGAAGTATCTTGAATGAAAGATATTGCTATAAACATTAGTAGGAACCTAAAGGACT  
TAAACCAGAAATATGCTGGACTGCAGCCTTATCTGGATCAGATCAATGTCATTGAAGAGCAGGTAGCAGC  
TCTTGAGCAGGCAGCTTACAAGTTGGATGCATATTCAAAAAACTGGAAGCCAAGTACAAGAAGCTGGAG  
AAGCGA

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:** >RG217849 representing NM\_173809  
Red=Cloning site Green=Tags(s)

MAAAAEGVLATRSDEPARDDAAVETAEEAKEPAEADITELCRDMFSKMATYLTGELTATSEDKLLENMN  
KLTSLKYLEMKDIAINISRNLDLNQKYAGLQPYLDQINIVIEEQVAALEQAAYKLDAYSKKLEAKYKLE  
KR

**TRTRPLE** - GFP Tag - V

**Restriction Sites:** SgfI-MluI



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<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u>NM_173809.5</u>
<b>RefSeq Size:</b>	2679 bp
<b>RefSeq ORF:</b>	429 bp
<b>Locus ID:</b>	282991
<b>UniProt ID:</b>	<u>Q6QNY1</u>
<b>Cytogenetics:</b>	10q24.31
<b>Gene Summary:</b>	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]