

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 Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG235586 representing NM_001282438.
Blue=ORF Red=Cloning site Green=Tag(s)

```
GCTCGTTTAGTGAACCGTCAGAATTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGTTCTCCAAAATGGCCACTTACCTGACTGGGAACTGACGGCCACCAGTGAAGACTATAAGCTCCTG
GAAAATATGAATAAACTCACCAGCTTGAAGTATCTTGAATGAAAGATATTGCTATAAACATTAGTAGG
AACTTAAAGGACTTAAACCAGAAATATGCTGGACTGCAGCCTTATCTGGATCAGATCAATGTCATTGAA
GAGCAGGTAGCAGCTCTGAGCAGGCAGCTTACAAGTTGGATGCATATTCAAAAAACTGGAAGCCAAG
TACAAGAAGCTGGAGAAGCGA
ACGCGTACGCGCCGCTCGAG - GFP Tag - GTTTAAAC
```

Protein Sequence: >Peptide sequence encoded by RG235586
Blue=ORF Red=Cloning site Green=Tag(s)

```
MFSKMATYLTGELTATSEDYKLLNMNKLTSLKYLEMKDIAINISRNLDLNQKYAGLQPYLDQINIVIE
EQVAALEQAAYKLDAYSKKLEAKYKLEKR
TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV
MGYGFYHFGTYPSTYENPFLHAINNGGYNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPED
SVIFTDKIIRSNAIVEHLHPMGDNDLDGSFTRTFSLRDGGYSSVVDSHMHFKSAIHPSILQNGGPMFA
FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV
```

Restriction Sites: Sgfl-MluI



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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:	NM_001282438.1 , NP_001269367.1
RefSeq Size:	2649 bp
RefSeq ORF:	300 bp
Locus ID:	282991
UniProt ID:	Q6QNY1
Cytogenetics:	10q24.31
MW:	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]