

Product datasheet for RC235991

BLOC1S2 (NM_001282439) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	BLOC1S2 (NM_001282439) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	BLOC1S2
Synonyms:	BLOS2; BORCS2; CEAP; CEAP11
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC235991 representing NM_001282439 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCGGCGGCAGCCGAGGGCGTACTGGCGACCCGGAGTGATGAGCCGCCCCGAGACGATGCCGCCGTGG
AGACAGCTGAGGAAGCAAAGGAGCCTGCTGAAGCTGACATCACTGAGCTCTGCCGGGACATGTTCTCAA
AATGGCCACTTACCTGACTGGGAACTGACGGCCACCAGTGAAGACTATAAGCTCCTGGAAATATGAAT
AAACTACCAGCTTGAAGTATCTTGAAATGAAAGATATTGCTATAAACATTAGTAGGAATTAAGGACT
TAAACCAGAAATATGCTGGACTGCAGCCTTATCTGGATCAGATCAATGTCATTGAAGAGCAGGTAGCAGC
TCTTGAGCAGGCAGCTTACAAGTTGGATGCATATTTCAAAAAAAGTGGCCAAGTACAAGAAGCTGGAGAAG
CGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:	>RC235991 representing NM_001282439 Red=Cloning site Green=Tags(s)
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MAAAAEGLVATRSDEPARDDAAVETAEAEKEPAEADITELCRDMFSKMATYLTGELTATSEDYKLLNMN
KLTSKYLEMKDIAINISRNKDLNQKYAGLQPYLDQINVIEEQVAALEQAAYKLDAYSKKLAKYKKLEK
R

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:	SgfI-MluI
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Cloning Scheme:



ACCN: NM 001282439

ORF Size: 423 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: [NM_001282439.1](#), [NP_001269368.1](#)

RefSeq Size: 2676 bp

RefSeq ORF: 426 bp

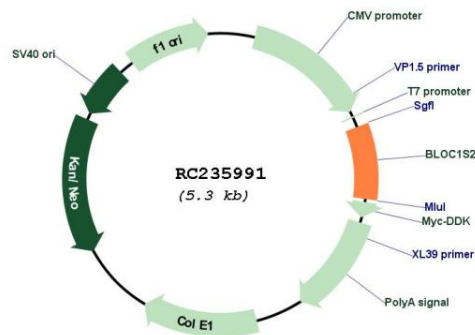
Locus ID: 282991

Cytogenetics: 10q24.31

MW: 16.3 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]

Product images:



Circular map for RC235991