OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for SC322335

BLOC1S2 (NM_001001342) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	BLOC1S2 (NM_001001342) Human Untagged Clone
Tag:	Tag Free
Symbol:	BLOC1S2
Synonyms:	BLOS2; BORCS2; CEAP; CEAP11
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene sequence for SC322335 CTGAGGAAGCAAAGGAGCCTGCTGAAGCTGACATCACTGAGCTCTGCCGGGACATGTTCT CCAAAATGGCCACTTACCTGACTGGGGAACTGACGGCCACCAGTGAAGACTATAAGCTCC TGGAAAATATGAATAAACTCACCAGCTTGAAGTATCTTGAAATGAAAGATATTGCTATAA ACATTAGTAGGAACTTAAAGGACTTAAACCAGAAATATGCTGGACTGCAGCCTTATCTGG ATCAGATCAATGTCATTGAAGAGCAGGTAGCAGCTCTTGAGCAGGCAGCTTACAAGTTGG ATGCATATTCAAAAAAACTGGAAGCCAAGTACAAGAAGCTGGAGAAGCGATGAGAAACTT ATTTCTATGGGACAGAGTCTTTTTTTTTTAATGTGGAAGAATGTCTTATAAAACCTGAAT CCTGAGGCTGATGAATTGTGAAAATTCCTCAAAAGGAAATTATGCTGGTCATCACAGGAA CATCTCAACGTTCGAGTAAACTGGAGGACTGTGGCTATTCCTGAACCTTCTTTGAGACAG AATCCCTCAGAATCTCACACTTATAACTTCCTACCTTTTACTTGAATGCTTTGCCATATT CAGGACAGAGACTCTCACAAAGTTCAGAAAACAGCTGGACTTACCAGTAAAATCAAATGA GAGGACCTATTTTCTCTGGTAGTGGTTGATTACTACATTATTTTCTTAAGTGGCTGGTTT TTTAGTTACTATGTAAATGGTCGTTTTTCTGTTAATGATGCTAATGTGTTGTAAACAAGA TTCTAAATTTAAAAAGGAAAACAAAACAAACTTGTTCTTTGCAGCTTATCACCTTGTGAA TGTCGGTAACTTACTTTTCCATAATATTGCAAATAACATAAAATCTTAAAATAATTCCAA GCTGAGTCTTCTAGATTGAGCAGAAATGGTGAAAGGAGTATTGATAACTTGGCGTATGTG ATGGGCCCCTCTTGTTTATTTTCTATGTGAGTCACATTGACATGCGATCAGTTTGGGAAA TGTGATGAAAACAAAGACTAGATGGGTATGTGTGTTTATGTGTTGGGTAGGGAGGTGACG ATTGCCACTCATAAAATAAAGGATTTTATAAAATAAAAAAAAAAAAAAAAAAAAAAAAAA AA
Restriction Sites:	Please inquire
ACCN:	NM_001001342

View online »

OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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.
RefSeq:	NM_001001342.1, NP_001001342.1
RefSeq Size:	2024 bp
RefSeq ORF:	300 bp
Locus ID:	282991
UniProt ID:	Q6QNY1
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] Transcript Variant: This variant (2) uses an alternate 5' exon structure and thus differs in the 5' UTR and 5' coding region compared to variant 1. These differences cause translation initiation at a downstream AUG and result in an isoform (2) with a shorter N-terminus, compared to isoform 1. Variants 2, 4, and 5 encode the same isoform (2). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.