

Product datasheet for **SC127598**

BLOC1S2 (AK054697) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	BLOC1S2 (AK054697) Human Untagged Clone
Tag:	Tag Free
Symbol:	BLOC1S2
Synonyms:	BLOS2; BORCS2; CEAP; CEAP11
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >NCBI ORF sequence for AK054697, the custom clone sequence may differ by one or more nucleotides

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AGTGAAGGACTTGAAATTATGGCAGATGGAGAATGGAGCCGACTTGATGGAATGAAGGCAAGTGGAGGGA
TGTCGGAACAGGCTGCTTTGGCTGGATTAGCACCGGGTGTAGGCCGGACACTTAGTCATTCTCCCTTGGC
CCAGACGATGCCGCCGTGGAGACAGCTGAGGAAGCAAAGGAGCCTGCTGAAGCTGACATCACTGAGCTCT
GCCGGGACATGTTCTCCAAAATGGCCACTTACCTGACTGGGGAAGTACGCGCCACCAGTGAAGACTATAA
GCTCCTGGAAAATATGAATAAACTACCAGCTTGAAGTATCTTGAATGAAAGATATTGCTATAAACATT
AGTAGGAACTTAAAGGACTTAAACCAGAAAATGCTGGACTGCAGCCTTATCTGGATCAGATCAATGTCA
TTGAAGAGCAGGTAGCAGCTCTTGGAGCAGGCTTACAAGTTGGATGCATATTCAAAAAACTGGAAGC
CAAGTACAAGAAGCTGGAGAAGCGATGAGAAAATTATTTCTATGGGACAGAGTCTTTTTTTTTTAATGTG
GAAGAATGTCTTATAAACCTGAATCCTGAGGCTGATGAATTGTGAAAATTCCTCAAAGGAGATTATGC
TGGTCATCACAGGAACATCTCAACGTTGAGTAACTGGAGGACTGTGGCTATTCCTGAACCTTCTTTGA
GACAGAATCCCTCAGAATCTCACACTTAACTTCTACCTTTTACTTGAATGCTTTGCCATATTCAGGA
CAGAGACTCTCAGAAAGTTCAGAAAACAGCTGGACTTACCAGTAAATCAAATGAGAGGACTATTTTCT
CTGGTAGTGGTTGATTACTACATTATTTTCTTAAGTGGCTGGTTTTTTAGTACTATGTAATGGTCGTT
TTTCTGTTAATGATGCTAATGTGTTGTAACAAGATTCTAAATTTAAAAAGGAAAACAAAACAACTTGT
TCTTTGCAGCTTATCACCTTGGAATGTCGGTAACTTACTTTCCATAATATTGCAAATAACATAAAATC
TAAAAATAATCCAAGCTGAGTCTTCTAGATTGAGCAGAAATGGTGAAGGAGTATTGATAACTTGGCGT
ATGTGATGGGCCCTCTTGTTTATTTTCTATGTGAGTACATTGACATGCGATCAGTTTGGGAAATGTGA
TGAAAACAAAGACTAGATGGGTATGTGTTTATGTGTTGGTAGGGAGGTGACGATTGCCACTCATAAA
ATAAAGGATTTTATAAAATACCTTCTACTGTGTATGTAGGATTTGGGGGGATCTTAGGGACCTAATCGA
CTTCTTTGCACACTAAAAACATCAGACAATGGGACATACTGACTGACCAGTCTAGGTTGAAAGATAGGCA
GCCTTACCAGAACACAACATTAGCAGCTGGGAAGGTGTCTGAGGTCCCAATTACATATCCCAAAGAGT
TTCTTACTTCTGTTTCTGTCATTTCCCCTCTGTTCCAGACAGTCACTATTATCCTCTGTTCTTCCCTGGA
CTGTTGCTGTGGTCTTCTCATCTTAACTGTCCCTTCCAACCACCCTCCACACTGCTGCCAGAGCAATC
TTAAAAATGTAAGTGGCCCTATTACTCCTGCTTAGAACCTGTAGTGACTTATCATGGCCTCTGAAAAA
TCTAGACTTTTATTATGCATACAAGTCCCTTGTGTTTTTTGTTTGTGTTATAGACAGGGTCTCTATTGTC
ACCCAGGCTGGAGTGTGGTGTGATAATAGCTCACCTTGACCTCCTAGGCTCAACTGATCTTCCCACC
TCAGCCTCCTGAATAGCTGGGACTACCAGCAGCTCCACCATGCCTTGCTAATTATTTTATACAGATG
GAGTCTCACTATGTTGTCCAGGCTGGTCTTGAAGTGGCCTCAAGTGATTCTTACCACAGCCTGCCAGA
GTGCTGAGATTGTAGGCATGAACCACCGTGCTAACATAAGGCCCTATTTAAACATTTTTCTT
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5' Read Nucleotide Sequence:	>OriGene 5' read for AK054697 unedited GACTCACTATAGGGCGGCCGGAATTCGGCACGAGGGGCGGCGGCGAGCCGAGGGCGTACT GGCGACCCGGAGTGATGAGCCCGCCGAGACGATGCCGCCGTGGAGACAGCTGAGGAAGC AAAGGAGCCTGCTGAAGCTGACATCACTGAGCTCTGCCGGACATGTTCTCCAAATGGC CACTTACCTGACTGGGAACTGACGGCCACCAGTGAAGACTATAAGCTCCTGGAAAATAT GAATAAACTCACCAGCTTGAAGTATCTTGAAATGAAAGATATTGCTATAAACATTAGTAG GAACCTAAAGGACTTAAACCAGAAATATGCTGGACTGCAGCCTTATCTGGATCAGATCAA TGTCATTGAAGAGCAGGTAGCAGCTCTTGAGCAGGCAGCTTACAAGTTGGATGCATATTC AAAAAACTGGAAGCCAAGTACAAGAAGCTGGAGAAGCGATGAGAACTTATTTCTATGG GACAGAGTCTTTTTTTTTTAATGTGGAAGAATGTCTTATAAAACCTGAATCCTGAGGCTG ATGAATTGTGAAAATTCCTCAAAGGAAATTATGCTGGTCATCACAGGAACATCTCAACGT TCGAGTAACTGGAGGACTGTGGCTATTCTGAACCTTTCTTGAGACAGAATCCCTCAGA ATCTCACACTTAACTTCTACCTTNTACTTTGATGCTNTGCCATATNCANGACAGAGA CTCTCANCAAAGTCAGAAACAGCTGGACTTACCAGTAAATCAAAGAGAGGACCTATTTCT CTGGNAGNGGGTGATACTACATTATTTNCTTAAGGNCTGGTTTTTAAGTACTATGTAAT GGNCGTTTTCTGTAATGATGCTAATNGGTGAAACCAGATTCTAATTAAGGAAACAAC AAACTGTTCTTGACGCTATCACTTGAATGNCGAACCTACTTTTCNATAAATGCATAACTA ATCTAAAATATCAGCTN
Restriction Sites:	NotI-NotI
ACCN:	AK054697
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).
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:	<ol style="list-style-type: none"> 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:	AK054697.1
RefSeq Size:	2024 bp
RefSeq ORF:	2024 bp
Locus ID:	282991
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]