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Product datasheet for SC333479

BLOC1S2 (NM_001282437) Human Untagged Clone

Product data:

Product Type: Expression Plasmids

Tag: Tag Free

Symbol: BLOC1S2

Synonyms: BLOS2; BORCS2; CEAP; CEAP11

Vector: pCMV6-Entry (PS100001)

Fully Sequenced ORF:

>SC333479 representing NM_001282437.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

ATGTTCTCCAAAATGGCCACTTACCTGACTGGGGAACTGACGGCCACCAGTGAAGACTATAAGCTCCTG
GAAAATATGAATAAACTCACCAGCTTGAAGTATCTTGAAATGAAAGATATTGCTATAAACATTAGTAGG
AACTTAAAGGACTTAAACCAGAAATATGCTGGACTGCAGCCTTATCTGGATCAGATCAATGTCATTGAA
GAGCAGGTAGCAGCTCTTGAGCAGGCAGCTTACAAGTTGGATGCATATTCAAAAAAACTGGAAGCCAAG
TACAAGAAGCTGGAGAAGCGATGA

Restriction Sites: SgfI-MluI

ACCN: NM_001282437

Insert Size: 300 bp

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).

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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_001282437.1

RefSeq Size: 2798 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]
Transcript Variant: This variant (4) uses an alternate splice site in the 5' UTR and uses a downstream start codon compared to variant 1. It encodes isoform 2 which has 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.