

Product datasheet for MC212955

Bloc1s3 (NM_177692) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Bloc1s3 (NM_177692) Mouse Untagged Clone
Tag: Tag Free
Symbol: Bloc1s3
Synonyms: BC043666; Blos3; E230011O18; rp
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Fully Sequenced ORF: >MC212955 representing NM_177692
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGAGTCATCCCAGGGTCGGCGGAGAAGGCCGGGACAGTGGTACCTGGGAAGCTGCGGAGACCGACT
 CGGAGCTGTCTGCATCCTCGTCCGAGGAGGAATAACCTGGGTCCCTCGGGCCCTACGCGCGCCGTCC
 CACGGGGCTGCGTGTGGCCGGGAGGCGCGGAGACCGACTCGGAGCCTGAGCCCAGCCCAGGTTGTG
 CCGGTCGACCTGCCCGCTCGTGGTGCAGCGCATCCGGCGGAGACTTGGGACAGGAGACCCCTG
 CCATGGCGCTGCGCGCTCGCTGCTGCAGCTCCGGTTGGCTGAGAGCCAGACGCGCTGGACCACGACGT
 AGCGGCTGCGGTGAGCGCGTGTACCGCGTGCGGTTCGCGATGTGGCCGCCCTGGCGGGAGGCTGGCG
 GCTGCTCAGGCCACCGGCTGGCAGCCGCCACAGCGTGCCTGGCGCGCGGGACCTCTGCGCGCTCG
 CCGAGCGCTGGATATCGTGGCTGGCTGTGCTTGTGCGGACATACGAGGGTCCCTGGTATGGAGCC
 CGAGCAGGACCCGGGACCTAGAGCC**TAG**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-MluI
ACCN: NM_177692
Insert Size: 588 bp



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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:	<u>NM_177692.3</u> , <u>NP_808360.2</u>
RefSeq Size:	1850 bp
RefSeq ORF:	588 bp
Locus ID:	232946
UniProt ID:	<u>Q5U5M8</u>
Cytogenetics:	7 9.92 cM
Gene Summary:	Component of the BLOC-1 complex, a complex that is required for normal biogenesis of lysosome-related organelles (LRO), such as platelet dense granules and melanosomes. In concert with the AP-3 complex, the BLOC-1 complex is required to target membrane protein cargos into vesicles assembled at cell bodies for delivery into neurites and nerve terminals. The BLOC-1 complex, in association with SNARE proteins, is also proposed to be involved in neurite extension. Plays a role in intracellular vesicle trafficking.[UniProtKB/Swiss-Prot Function]