

Product datasheet for **MC207848**

Bloc1s4 (NM_133724) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Bloc1s4 (NM_133724) Mouse Untagged Clone
Tag: Tag Free
Symbol: Bloc1s4
Synonyms: 2610101N07Rik; Blos4; Cno
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Fully Sequenced ORF: >MC207848 representing NM_133724
Red=Cloning site **Blue**=ORF **Orange**=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAGGAAGGACCCGCCGTCGGAACCCTGTCTCGAGAGGTCTCTACCGAGGAGGCCGAGCCGTTGGGCG
CCGCGTGGAGCGGGACAGCGGCCACGTCTCGCAGAGCCACAGCAGCGCTCCGGGCCGTTGGACGATGA
CGGCCCGAGGACGCGCCGGCCGCGACCTGCCGCTGCTGCGCCGCGCCGCTCGGGCTACGCTCCAGC
CTGCTGCCAGCGCGGGACCGAGGCCAGAGGTGGAGGCGCTGGACGCCAGCCTGGAGGAGCTGCTGGCCA
AGGTGGACGAGTTCGTGGGCATGCTGGACATGATCCGCGGGACTCGTCGCATGTGGTGGCGAGGGCGT
GCCCGGATCCACGCTAAGGCGGCCGAGATGAGGCGCATCTACGGCCGGATCGACAAGCTGGAGGCCTTC
GTGCGGATGATCGGGAGCAGCTGGCCAGGATGGAGGAGCAGGTCGCAAGGCCGAAGCCGAGCTGGGGA
CCTTCCCGCGGGCCTTCCGGAGGCTGCTGCATACCATCAGCGTCCCGCTCTCTTCAGGTCGGCGCCAG
CGGGCCCCAGCGCGCGGTACGAGCCGCCAGTCTGTTTCGGACCGAGGACCCTCCCTGGCTGCGGT
GACAGACCGCAGCT**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_133724
Insert Size: 648 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:	NM_133724.3 , NP_598485.1
RefSeq Size:	1306 bp
RefSeq ORF:	648 bp
Locus ID:	117197
UniProt ID:	Q8VED2
Cytogenetics:	5 B3
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]