

Product datasheet for **RR203263**

Bloc1s6 (NM_001025714) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Bloc1s6 (NM_001025714) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Bloc1s6
Synonyms: Pldn
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR203263 representing NM_001025714
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGAATGTTCTGTGCCACCGCCCCGGACGGGGTCCTACGGGGCCCTCCGACAGCCTGGAGGCCGGCG
 AGCCTACGCCGGCTTAAGCGACAGGTCTCCAGATGAAGGACTGATAGAGATTTGGCTTTGGAGGACAG
 AGCTGTAGACACCTGGTGGGAGCCTGTGTCCACTACCTACCAGATCTGCAGAGGTCCAAGCGAGCA
 CTCCAGGAACACACAGAACCAAGTTGTGTTACTAGATACACTGGAACAAGAGATTTCAAATTTAAAG
 AATGCCACTCCATGCTGGACATCAATGCTTTGTTACGGAAGCGAAGCACTATCACGCCAAGCTGGTGAC
 CATAAGGAAAGAGATGTTGCTGCTCCACGAGAAAACATCCAAGCTGAAAAAAGAGCACTGAAGCTGCAG
 CAGCAGAGGCAGAAAGAGGAGCTGGAGAGAGAGCAGCAGCGAGAGAGGGAGTTTGAAGAGAGAAGCAGC
 TGACAGCCAAGCCAGCCAAGAGGACG

ACGCGTACGCGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR203263 representing NM_001025714
 Red=Cloning site Green=Tags(s)

MNVVPPPPDGVLTPGSDSLEAGEPTPGLSDRSPDEGLIEDLALEDRAVEHLVGGLLSHYLPDLQRSKRA
 LQELTQNQVLLDTLEQEISKFKCHECHSMLDINALFTEAKHYHAKLVTKIRKEMLLLHEKTSKLRKALKLQ
 QQRQKEELEREQREREFEREKQLTAKPAKRT

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

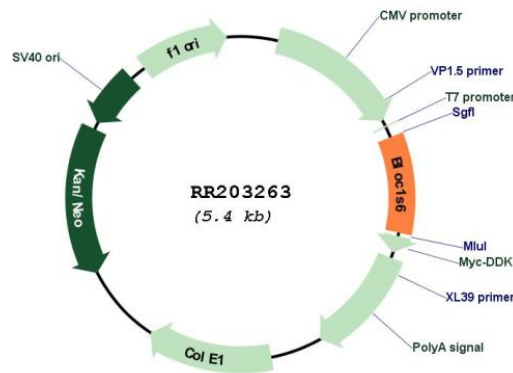


[View online >](#)

Cloning Scheme:



Plasmid Map:



ACCN: NM_001025714

ORF Size: 516 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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_001025714.1</u> , <u>NP_001020885.1</u>
RefSeq Size:	2119 bp
RefSeq ORF:	519 bp
Locus ID:	317630
UniProt ID:	<u>Q4V8A6</u>
Cytogenetics:	3q35
MW:	19.7 kDa
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. May play a role in intracellular vesicle trafficking, particularly in the vesicle-docking and fusion process (By similarity).[UniProtKB/Swiss-Prot Function]