

Product datasheet for **RC231717**

Muted (BLOC1S5) (NM_001199322) Human Tagged ORF Clone

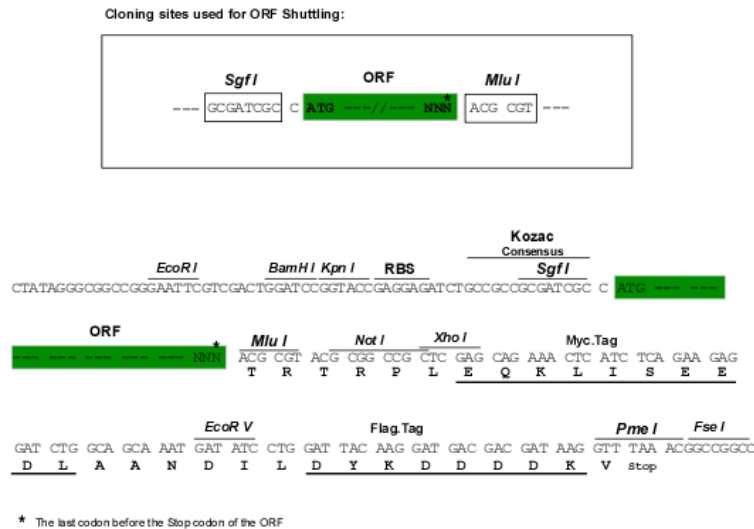
Product data:

Product Type:	Expression Plasmids
Product Name:	Muted (BLOC1S5) (NM_001199322) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Muted
Synonyms:	BLOS5; HPS11; MU; MUTED
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC231717 representing NM_001199322 Red=Cloning site Blue=ORF Green=Tags(s) TTTGTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCCGCCCGATCGCC ATGGAAAAACGTGGTCTTCGAGAAATGCGAGTTCTTGAAAATTTGAAGAACATGATCCATGAAACAAATGAACATACTCTTCCCAATGTAGAGACACAATGCGGGACAGCCTCAGCCAGGTTCTCCAGAGATTGCAAGCAGCTAATGACTCAGTCTGTAGACTCCAACAGAGGGAACAGGAACGAAAAAGATTGATAGTGACCACTTAGTAGCTAGTGAGAAACAGCATATGCTCCAGTGGGACAACCTTCATGAAGGAGCAACCAACAAAAGGGCTGAAGTGGATGAAGAGCACAGAAAAGCCATGGAAAGGCTTAAAGAACAATATGCTGAGATGGAGAAGGACCTAGCGAAATTTTCAACCTTT ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATTACAAGGATGACGACGATAAGGTTTAA
Protein Sequence:	>RC231717 representing NM_001199322 Red=Cloning site Green=Tags(s) MEKRGLREMRVLENLKNMIHETNEHTLPKCRDTMRDSLQVLQRLQAANDSVCRLLQREQERKKIHSDDL VASEKQHMLQWDFMKEQPNKRAEVDEEHRKAMERLKEQYAEKDLAKFSTF TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Restriction Sites:	Sgfl-MluI



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Cloning Scheme:



ACCN: NM_001199322

ORF Size: 369 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:

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.

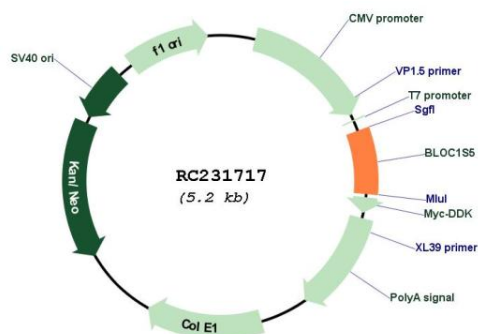
RefSeq: [NM_001199322.1](#), [NP_001186251.1](#)

RefSeq Size: 2798 bp

RefSeq ORF: 372 bp
 Locus ID: 63915
 UniProt ID: [Q8TDH9](#)
 Cytogenetics: 6p24.3
 MW: 15.3 kDa

Gene Summary: This gene encodes a component of BLOC-1 (biogenesis of lysosome-related organelles complex 1). Components of this complex are involved in the biogenesis of organelles such as melanosomes and platelet-dense granules. A mouse model for Hermansky-Pudlak Syndrome is mutated in the murine version of this gene. Alternative splicing results in multiple transcript variants. Read-through transcription exists between this gene and the upstream EEF1E1 (eukaryotic translation elongation factor 1 epsilon 1) gene, as well as with the downstream TXNDC5 (thioredoxin domain containing 5) gene. [provided by RefSeq, Dec 2010]

Product images:



Circular map for RC231717