

### **Product datasheet for RC221221**

# **BLOC1S3 (NM 212550) Human Tagged ORF Clone**

#### **Product data:**

**Product Type:** Expression Plasmids

**Product Name:** BLOC1S3 (NM\_212550) Human Tagged ORF Clone

Tag: Myc-DDK Symbol: BLOC1S3

Synonyms: BLOS3; HPS8; RP

Mammalian Cell

Selection:

Neomycin

Vector: pCMV6-Entry (PS100001)

E. coli Selection: Kanamycin (25 ug/mL)

ORF Nucleotide >RC221221 representing NM\_212550

Sequence: Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC

GCCGCGATCGCC

 ${\tt CGGCGTGCCAGGGACCGAGCCTGAGAAAGACCCGGGGCCGCGGGCC}$ 

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT

ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC221221 representing NM\_212550

Red=Cloning site Green=Tags(s)

MASQGRRRRPLRRPETVVPGEATETDSERSASSSEEEELYLGPSGPTRGRPTGLRVAGEAAETDSEPEPE PEPTAAPRDLPPLVVQRESAEEAWGTEEAPAPAPARSLLQLRLAESQARLDHDVAAAVSGVYRRAGRDVA

ALASRLAAAQAAGLAAAHSVRLARGDLCALAERLDIVAGCRLLPDIRGVPGTEPEKDPGPRA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV



**OriGene Technologies, Inc.** 9620 Medical Center Drive, Ste 200

CN: techsupport@origene.cn

Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com

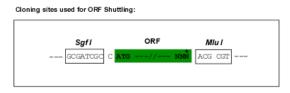
#### BLOC1S3 (NM\_212550) Human Tagged ORF Clone - RC221221

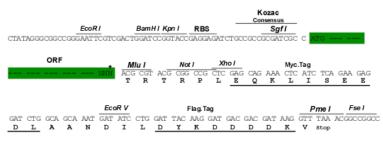
Chromatograms: <a href="https://cdn.origene.com/chromatograms/mk6499">https://cdn.origene.com/chromatograms/mk6499</a> h11.zip

**Restriction Sites:** 

Sgfl-Mlul

**Cloning Scheme:** 





<sup>\*</sup> The last codon before the Stop codon of the ORF

**ACCN:** NM 212550

ORF Size: 606 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.

**RefSeq:** NM 212550.5

RefSeq Size: 609 bp
RefSeq ORF: 609 bp
Locus ID: 388552



UniProt ID: Q6QNY0

Cytogenetics: 19q13.32

MW: 21.1 kDa

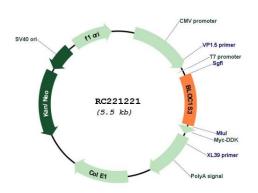
**Gene Summary:** This gene encodes a protein that is a component of the BLOC1 multi-subunit protein

complex. This complex is necessary for the biogenesis of specialized organelles of the endosomal-lysosomal system, including platelet dense granules and melanosomes. Mutations in this gene cause Hermansky-Pudlak syndrome 8, a disease characterized by

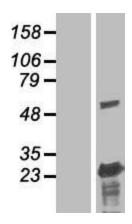
lysosomal storage defects, bleeding due to platelet storage pool deficiency, and

oculocutaneous albinism. [provided by RefSeq, Jul 2008]

## **Product images:**

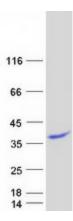


Circular map for RC221221



Western blot validation of overexpression lysate (Cat# [LY403894]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC221221 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).





Coomassie blue staining of purified BLOC1S3 protein (Cat# [TP321221]). The protein was produced from HEK293T cells transfected with BLOC1S3 cDNA clone (Cat# RC221221) using MegaTran 2.0 (Cat# [TT210002]).