

Product datasheet for RC221922

Muted (BLOC1S5) (NM_201280) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Muted (BLOC1S5) (NM_201280) 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: >RC221922 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGAGTGGCGGAGGGACAGAGACCCCTGTGGTGTGAGGCCGCCCGGGCGGTGGCAGCAAGAAGAGGG
 ACTCCCTGGGACTGCGGGCTCAGCGCACCTCATTATCAAGGATCTTGGAGAAATTCATTCAAGGCTTTT
 GGATCACAGACCAGTTATTCAAGGTGAACTCGTTATTTGTAAAAGAATTTGAAGAAAAACGTGGTCTT
 CGAGAAATGCGAGTTCTGAAAATTTGAAGAACATGATCCATGAAACAAATGAACATACTCTCCCAAAT
 GTAGAGACACAATGCGGGACAGCCTCAGCCAGGTCTCCAGAGATTGCAAGCAGCTAATGACTCAGTCTG
 TAGACTCCAACAGAGGGAACAGGAACGAAAAAGATTCATAGTGACCACTTAGTAGCTAGTGAGAAACAG
 CATATGCTCCAGTGGGACAATTCATGAAGGAGCAACCCAAACAAAAGGGCTGAAGTGGATGAAGAGCACA
 GAAAAGCCATGGAAAGGCTTAAAGAACAATATGCTGAGATGGAGAAGGACCTAGCGAAATTTTCAACCTT
 T

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC221922 protein sequence
 Red=Cloning site Green=Tags(s)

MSGGGTETPVGCEAAPGGGSKRDSLGTAGSAHLIIKDLGEIHSRLLDHRPVIQGETRYFVKEFEERKGL
 REMRVLENLKNMIHETNEHTLPKCRDTRDLSQVLQRLQAANDSVCRLLQREQERKKIHSDDLVAASEKQ
 HMLQWDFMKEQPNKRAEVDEEHRKAMERLKEQYAEMEKDLAKFSTF

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

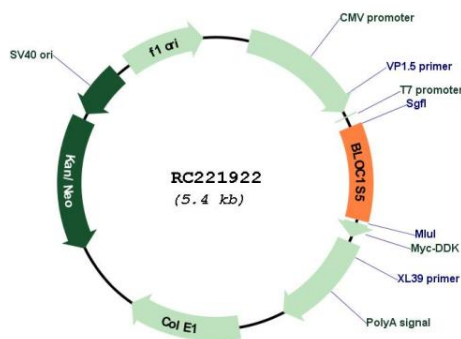


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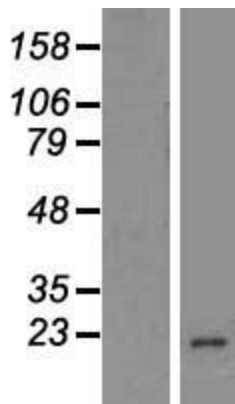
UniProt ID: [Q8TDH9](#)
 Cytogenetics: 6p24.3
 MW: 21.6 kDa

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]

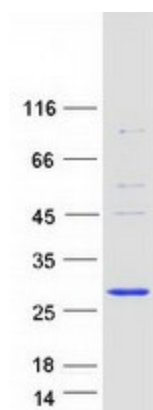
Product images:



Circular map for RC221922



Western blot validation of overexpression lysate (Cat# [LY404512]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC221922 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified BLOC1S5 protein (Cat# [TP321922]). The protein was produced from HEK293T cells transfected with BLOC1S5 cDNA clone (Cat# RC221922) using MegaTran 2.0 (Cat# [TT210002]).