

Product datasheet for **SC309808**

Muted (BLOC1S5) (NM_201280) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Muted (BLOC1S5) (NM_201280) Human Untagged Clone
Tag:	Tag Free
Symbol:	Muted
Synonyms:	BLOS5; HPS11; MU; MUTED
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC309808 representing NM_201280. Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
 GATCCGGTACCGAGGAGATCTGCCGCC**CGATCGCC**
 ATGAGTGGCGGAGGGACAGAGACCCCTGTGGTTGTGAGGCCGCCCGGGCGGTGGCAGCAAGAAGAGG
 GACTCCCTGGGGACTGCGGGCTCAGCGCACCTCATTATCAAGGATCTTGAGAAATTCATTCAAGGCTT
 TTGGATCACAGACCAGTTATTCAAGGTGAACTCGTTATTTTGTAAAAGAATTTGAAGAAAACGTGGT
 CTTGAGAAATGCGAGTTCTTGAATTTGAAGAACATGATCCATGAAACAAATGAACATACTCTTCCC
 AAATGTAGAGACACAATGCGGGACAGCCTCAGCCAGGTTCTCCAGAGATTGCAAGCAGCTAATGACTCA
 GTCTGTAGACTCCAACAGAGGGAACAGGAACGAAAAAGATTGATAGTACCCTTAGTAGCTAGTGAG
 AACAGCATATGCTCCAGTGGGACAACCTCATGAAGGAGCAACCAACAAAGGGCTGAAGTGGATGAA
 GAGCACAGAAAAGCCATGGAAGGCTTAAAGAACAATATGCTGAGATGGAGAAGGACCTAGCGAAATTT
 TCAACCTTT**TAA**
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
 TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC

Restriction Sites:	Sgfl-MluI
ACCN:	NM_201280
Insert Size:	564 bp

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).


[View online »](#)

OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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_201280.2</u>
RefSeq Size:	2695 bp
RefSeq ORF:	564 bp
Locus ID:	63915
UniProt ID:	<u>Q8TDH9</u>
Cytogenetics:	6p24.3
MW:	21.6 kDa
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (1) encodes the longest isoform (1).</p>