

# Recombinant Mouse Bloc1s5 Protein, Myc/DDK-tagged

**Cat. No.** Bloc1s5-1875M    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Purified recombinant protein of mouse full-length biogenesis of lysosomal organelles complex-1, subunit 5, muted (Bloc1s5), with C-terminal MYC/DDK tag, expressed in HEK293T cells.                                                                                                                                                                                                                                                                                                                                                |
| <b>Species</b>          | Mouse                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Description</b>      | 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. Plays a role in intracellular vesicle trafficking. |
| <b>Molecular Mass</b>   | 21.3 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Purity</b>           | > 80% as determined by SDS-PAGE and Coomassie blue staining                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Stability</b>        | Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Storage</b>          | Store at -80 centigrade after receiving vials.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |

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**Concentration** >50 µg/mL as determined by microplate BCA method

**Storage Buffer** 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

## GENE INFORMATION

**Gene Name** Bloc1s5 biogenesis of lysosomal organelles complex-1, subunit 5, muted [ *Mus musculus* (house mouse) ]

**Official Symbol** [Bloc1s5](#)

**Synonyms** Bloc1s5; biogenesis of lysosomal organelles complex-1, subunit 5, muted; mu; Muted; 1810074A19Rik; biogenesis of lysosome-related organelles complex 1 subunit 5; BLOC-1 subunit 5; biogenesis of organelles complex-1, subunit 5, muted; protein Muted homolog

**Gene ID** [17828](#)

**mRNA Refseq** [NM\\_139063](#)

**Protein Refseq** [NP\\_620702](#)

**UniProt ID** [Q8R015](#)

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