

Recombinant Mouse Bloc1s1 Protein, Myc/DDK-tagged

Cat. No. Bloc1s1-1872M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length biogenesis of lysosomal organelles complex-1, subunit 1 (Bloc1s1), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	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. As part of the BORC complex may play a role in lysosomes movement and localization at the cell periphery. The BORC complex is most probably associated with the cytosolic face of lysosomes, may recruit ARL8B and couple lysosomes to microtubule plus-end-directed kinesin motor.
Molecular Mass	14.3 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.

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Storage	Store at -80 centigrade after receiving vials.
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	Bloc1s1 biogenesis of lysosomal organelles complex-1, subunit 1 [Mus musculus (house mouse)]
Official Symbol	Bloc1s1
Synonyms	Bloc1s1; biogenesis of lysosomal organelles complex-1, subunit 1; BL; Gcn5; BLOS1; Gcn5l1; A1839753; biogenesis of lysosome-related organelles complex 1 subunit 1; BLOC-1 subunit 1; GCN5 general control of amino acid synthesis-like 1; GCN5-like protein 1; biogenesis of lysosome-related organelles complex-1, subunit 1; general control of amino acid synthesis, yeast homolog-like 1; general control of amino acid synthesis-like 1
Gene ID	14533
mRNA Refseq	NM_015740
Protein Refseq	NP_056555
UniProt ID	O55102