Recombinant Mouse Bloc1s2 Protein, Myc/DDK-tagged

Cat. No. Bloc1s2-1873M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length biogenesis of lysosomal organelles complex-1, subunit 2 (Bloc1s2), 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. Associated with the cytosolic face of lysosomes, the BORC complex may recruit ARL8B and couple lysosomes to microtubule plus-end-directed kinesin motor.
Molecular Mass	11.6 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.

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

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	Bloc1s2 biogenesis of lysosomal organelles complex-1, subunit 2 [Mus musculus (house mouse)]
Official Symbol	Bloc1s2
Synonyms	BLOC1S2; biogenesis of lysosome-related organelles complex-1, subunit 2; biogenesis of lysosome-related organelles complex 1 subunit 2; BLOC-1 subunit 2; BLOS2; 2410089B13Rik
Gene ID	73689
mRNA Refseq	NM_028607
Protein Refseq	NP_082883
UniProt ID	Q9CWG9

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