

## Recombinant Mouse Bloc1s2 Protein, Myc/DDK-tagged

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

### SPECIFICATION

<b>Product Overview</b>	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.
<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. 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.
<b>Molecular Mass</b>	11.6 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.

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<b>Storage</b>	Store at -80 centigrade after receiving vials.
<b>Concentration</b>	>50 µg/mL as determined by microplate BCA method
<b>Storage Buffer</b>	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

## GENE INFORMATION

<b>Gene Name</b>	<a href="#">Bloc1s2 biogenesis of lysosomal organelles complex-1, subunit 2 [ Mus musculus (house mouse) ]</a>
<b>Official Symbol</b>	<a href="#">Bloc1s2</a>
<b>Synonyms</b>	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
<b>Gene ID</b>	<a href="#">73689</a>
<b>mRNA Refseq</b>	<a href="#">NM_028607</a>
<b>Protein Refseq</b>	<a href="#">NP_082883</a>
<b>UniProt ID</b>	<a href="#">Q9CWG9</a>

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