10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

BLOC1S3 Blocking Peptide (C-term)

Synthetic peptide
Catalog # BP19902B

Specification

BLOC1S3 Blocking Peptide (C-term) - Product Information

Primary Accession	Q6QNY0
Other Accession	NP_997715.1

BLOC1S3 Blocking Peptide (C-term) - Additional Information

Gene ID 388552

Other Names
Biogenesis of lysosome-related organelles complex 1 subunit 3, BLOC-1 subunit 3, BLOC1S3, BLOS3

Target/Specificity
The synthetic peptide sequence is selected from aa 191-202 of HUMAN BLOC1S3

Format
Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions
This product is for research use only. Not for use in diagnostic or therapeutic procedures.

BLOC1S3 Blocking Peptide (C-term) - Protein Information

Name BLOC1S3

Synonyms BLOS3

Function
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.

Cellular Location
Cytoplasm.

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BLOC1S3 Blocking Peptide (C-term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Blocking Peptides

BLOC1S3 Blocking Peptide (C-term) - Images

BLOC1S3 Blocking Peptide (C-term) - Background

This gene encodes a protein that is a component of the BLOC1 multi-subunit protein complex. This complex is necessary for the biogenesis of specialized organelles of the endosomal-lysosomal system, including platelet dense granules and melanosomes. Mutations in this gene cause Hermansky-Pudlak syndrome 8, a disease characterized by lysosomal storage defects, bleeding due to platelet storage pool deficiency, and oculocutaneous albinism.

BLOC1S3 Blocking Peptide (C-term) - References

Seshadri, S., et al. JAMA 303(18):1832-1840(2010)
Lowe, J.K., et al. PLoS Genet. 5 (2), E1000365 (2009) :
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Morgan, N.V., et al. Am. J. Hum. Genet. 78(1):160-166(2006)
Starcevic, M., et al. J. Biol. Chem. 279(27):28393-28401(2004)