

CNO Blocking Peptide (Center)
Synthetic peptide
Catalog # BP20464c**Specification**

CNO Blocking Peptide (Center) - Product InformationPrimary Accession [Q9NUP1](#)**CNO Blocking Peptide (Center) - Additional Information****Gene ID** 55330**Other Names**

Biogenesis of lysosome-related organelles complex 1 subunit 4, BLOC-1 subunit 4, Protein cappuccino homolog, BLOC1S4, CNO

Target/Specificity

The synthetic peptide sequence is selected from aa 129-143 of Human BLOC1S4

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.

CNO Blocking Peptide (Center) - Protein Information**Name** BLOC1S4**Synonyms** CNO**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.

CNO Blocking Peptide (Center) - Protocols

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

- [Blocking Peptides](#)

CNO Blocking Peptide (Center) - Images

CNO Blocking Peptide (Center) - Background

The BLOC-1 complex is required for normal biogenesis of lysosome-related organelles, such as platelet dense granules and melanosomes. Plays a role in intracellular vesicle trafficking (By similarity).

CNO Blocking Peptide (Center) - References

Ota T., et al. Nat. Genet. 36:40-45(2004).
Hillier L.W., et al. Nature 434:724-731(2005).