10320 Camino Santa Fe, Suite G
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TMEM199 Blocking Peptide (N-term)

Synthetic peptide
Catalog # BP20289a

Specification

TMEM199 Blocking Peptide (N-term) - Product Information

Primary Accession Q8N511

TMEM199 Blocking Peptide (N-term) - Additional Information

Gene ID 147007

Other Names
Transmembrane protein 199, TMEM199, C17orf32

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.

TMEM199 Blocking Peptide (N-term) - Protein Information

Name TMEM199 {ECO:0000303|PubMed:26833330, ECO:0000312|HGNC:HGNC:18085}

Function
Accessory component of the proton-transporting vacuolar (V)- ATPase protein pump involved in intracellular iron homeostasis. In aerobic conditions, required for intracellular iron homeostasis, thus triggering the activity of Fe(2+) prolyl hydroxylase (PHD) enzymes, and leading to HIF1A hydroxylation and subsequent proteasomal degradation. Necessary for endolysosomal acidification and lysosomal degradation (PubMed:28296633). May be involved in Golgi homeostasis (PubMed:26833330).

Cellular Location
Cytoplasmic vesicle, COPI-coated vesicle membrane; Multi-pass membrane protein. Endoplasmic reticulum-Golgi intermediate compartment membrane; Multi-pass membrane protein. Endoplasmic reticulum membrane; Multi-pass membrane protein. Note=Partial colocalization with GOLGB1

TMEM199 Blocking Peptide (N-term) - Protocols

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

- Blocking Peptides

TMEM199 Blocking Peptide (N-term) - Images

TMEM199 Blocking Peptide (N-term) - Background

The function of this protein remains unknown.