

TMEM199 Blocking Peptide (N-term)
Synthetic peptide
Catalog # BP20289a**Specification**

TMEM199 Blocking Peptide (N-term) - Product InformationPrimary 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). Binds 20(S)-hydroxycholesterol (20(S)-OHC) (By similarity).

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

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.