

ZCCHC3 Blocking Peptide (Center)
Synthetic peptide
Catalog # BP20315c**Specification**

ZCCHC3 Blocking Peptide (Center) - Product InformationPrimary Accession [Q9NUD5](#)**ZCCHC3 Blocking Peptide (Center) - Additional Information**

Gene ID 85364

Other Names

Zinc finger CCHC domain-containing protein 3, ZCCHC3, C20orf99

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.

ZCCHC3 Blocking Peptide (Center) - Protein InformationName ZCCHC3 ([HGNC:16230](#))**Function**

Nucleic acid-binding protein involved in innate immune response to DNA and RNA viruses (PubMed:[30193849](http://www.uniprot.org/citations/30193849)), PubMed:[30135424](http://www.uniprot.org/citations/30135424)). Binds DNA and RNA in the cytoplasm and acts by promoting recognition of viral nucleic acids by virus sensors, such as RIGI, IFIH1/MDA5 and CGAS (PubMed:[30193849](http://www.uniprot.org/citations/30193849), PubMed:[30135424](http://www.uniprot.org/citations/30135424)). Acts as a co-sensor for recognition of double-stranded DNA (dsDNA) by cGAS in the cytoplasm, thereby playing a role in innate immune response to cytosolic dsDNA and DNA virus (PubMed:[30135424](http://www.uniprot.org/citations/30135424)). Binds dsDNA and probably acts by promoting sensing of dsDNA by CGAS, leading to enhance CGAS oligomerization and activation (PubMed:[30135424](http://www.uniprot.org/citations/30135424)). Promotes sensing of viral RNA by RIGI-like receptors proteins RIGI and IFIH1/MDA5 via two mechanisms: binds double-stranded RNA (dsRNA), enhancing the binding of RIGI and IFIH1/MDA5 to dsRNA and promotes 'Lys-63'-linked ubiquitination and subsequent activation of RIGI and IFIH1/MDA5 (PubMed:[30193849](http://www.uniprot.org/citations/30193849)).

Cellular Location

Cytoplasm.

ZCCHC3 Blocking Peptide (Center) - Protocols

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

- [Blocking Peptides](#)

ZCCHC3 Blocking Peptide (Center) - Images**ZCCHC3 Blocking Peptide (Center) - Background**

ZCCHC3 is a zinc-finger protein containing 3 CCHC-type zinc fingers.