

**CF203 Antibody (C-term) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP4762b****Specification**

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**CF203 Antibody (C-term) Blocking Peptide - Product Information**Primary Accession [Q9P0P8](#)**CF203 Antibody (C-term) Blocking Peptide - Additional Information****Gene ID** 51250**Other Names**

Uncharacterized protein C6orf203, C6orf203

**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.

**CF203 Antibody (C-term) Blocking Peptide - Protein Information****Name** MTRES1 ([HGNC:17971](#))**Synonyms** C6orf203**Function**

Mitochondrial RNA-binding protein involved in mitochondrial transcription regulation. Functions as a protective factor to maintain proper mitochondrial RNA level during stress. Acts at the transcription level and its protective function depends on its RNA binding ability (PubMed: [31226201](http://www.uniprot.org/citations/31226201)). Part of a mitoribosome-associated quality control pathway that prevents aberrant translation by responding to interruptions during elongation (PubMed: [33243891](http://www.uniprot.org/citations/33243891), PubMed: [31396629](http://www.uniprot.org/citations/31396629)). As heterodimer with MTRF, ejects the unfinished nascent chain and peptidyl transfer RNA (tRNA), respectively, from stalled ribosomes. Recruitment of mitoribosome biogenesis factors to these quality control intermediates suggests additional roles for MTRES1 and MTRF during mitoribosome rescue (PubMed: [33243891](http://www.uniprot.org/citations/33243891)).

**Cellular Location**

Mitochondrion matrix

**CF203 Antibody (C-term) Blocking Peptide - Protocols**

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

- [Blocking Peptides](#)

**CF203 Antibody (C-term) Blocking Peptide - Images****CF203 Antibody (C-term) Blocking Peptide - References**

Mungall, A.J., et al. Nature 425(6960):805-811(2003)Reymond, A., et al. Genomics 78 (1-2), 46-54 (2001)