10320 Camino Santa Fe, Suite G
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CF203 Antibody (C-term) Blocking Peptide

Synthetic peptide
Catalog # BP4762b

Specification

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). Part of a mitoribosome-associated quality control pathway that prevents aberrant translation by responding to interruptions during elongation (PubMed:33243891, PubMed: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).

Cellular Location
Mitochondrion matrix

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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)