UCRC Peptide - Middle Region Blocking Peptide

PRODUCT OVERVIEW

Product Name	UCRC, Blocking Peptide
Full Product Name	UCRC Peptide - middle region
Product Gene Name	UCRC blocking peptide
Product Synonym Gene Name	HSPC051; HSPC119; HSPC151; QCR9; UCRC; UCCR7.2; UQCR10
Form/Format	Lyophilized powder
Preparation and Storage	Add 100ul of sterile PBS. Final peptide concentration is 1 mg/ml in PBS. For longer periods of storage, store at -20 degree C. Avoid repeat freeze-thaw cycles.
Antibody/Peptide Pairs	UCRC peptide (MBS3232343) is used for blocking the activity of UCRC antibody (MBS3207378)
Molecular Weight	7kDa
OMIM	610843
Product Categories/Family for UCRC blocking peptide	Peptide
Applications Tested/Suitable for UCRC blocking peptide	Immunohistochemistry (IHC), Western Blot (WB)
Related Product Information for UCRC blocking peptide	UCRC is a subunit of mitochondrial complex III (ubiquinol-cytochrome c reductase; EC 1.10.2.2), which forms the middle segment of the respiratory chain of the inner mitochondrial membrane.UCRC is a subunit of mitochondrial complex III (ubiquinol-cytochrome c reductase; EC 1.10.2.2), which forms the middle segment of the respiratory chain of the inner mitochondrial membrane (Schagger et al., 1995 [PubMed 8592474]).[supplied by OMIM].
Other Notes	Small volumes of UCRC blocking peptide vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for UCRC purchase	MBS3232343 is a blocking peptide targeting UCRC. Also known as UCRC Peptide - middle region.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for UCRC. It may not necessarily be applicable to this product.

NCBI GI #	41281885
NCBI GeneID	29796
NCBI Accession #	NP_037519
UniProt Primary Accession #	Q9UDW1
UniProt Related Accession #	Q9UDW1
GenBank Nucleotide #	NM_013387
NCBI Official Full Name	cytochrome b-c1 complex subunit 9 isoform a
NCBI Official Synonym Full Names	ubiquinol-cytochrome c reductase, complex III subunit X
NCBI Official Symbol	UQCR10
NCBI Official Synonym Symbols	QCR9; UCRC; HSPC051; HSPC119; HSPC151; UCCR7.2

UniProt Protein Name	Cytochrome b-c1 complex subunit 9
UniProt Synonym Protein Names	Complex III subunit 9; Complex III subunit X; Cytochrome c1 non-heme 7 kDa protein; Ubiquinol-cytochrome c reductase complex 7.2 kDa protein
UniProt Gene Name	UQCR10
UniProt Synonym Gene Names	UCRC
UniProt Entry Name	QCR9_HUMAN
NCBI Protein Information	cytochrome b-c1 complex subunit 9
NCBI Summary for UCRC	UCRC is a subunit of mitochondrial complex III (ubiquinol-cytochrome c reductase; EC 1.10.2.2), which forms the middle segment of the respiratory chain of the inner mitochondrial membrane (Schagger et al., 1995 [PubMed 8592474]).[supplied by OMIM, Mar 2008]
UniProt Comments for UCRC	UCRC iso3: This is a component of the ubiquinol-cytochrome c reductase complex (complex III or cytochrome b-c1 complex), which is part of the mitochondrial respiratory chain. This subunit interacts with cytochrome c1. Belongs to the UQCR10/QCR9 family. The bc1 complex contains 11 subunits: 3 respiratory subunits (cytochrome b, cytochrome c1 and Rieske/UQCRFS1), 2 core proteins (UQCRC1/QCR1 and UQCRC2/QCR2) and 6 low-molecular weight proteins (UQCRH/QCR6, UQCRB/QCR7, UQCRQ/QCR8, UQCR10/QCR9, UQCR11/QCR10 and a cleavage product of Rieske/UQCRFS1). Protein type: Energy Metabolism - oxidative phosphorylation; Mitochondrial Chromosomal Location of Human Ortholog: 22q12.2 Cellular Component: mitochondrial inner membrane; mitochondrial respiratory chain complex III Molecular Function: ubiquinol-cytochrome-c reductase activity Biological Process: cellular metabolic process; mitochondrial electron transport, ubiquinol to cytochrome c
Research Articles on UCRC	**1.** Reciprocal fusion gene involving UQCR10 and C1orf194 is associated with spinal ependymoma.
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