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SAMC Blocking Peptide (Center)
Synthetic peptide
Catalog # BP12009c

Specification

SAMC Blocking Peptide (Center) - Product Information

Primary Accession	Q70HW3
Other Accession	NP_775742.3

SAMC Blocking Peptide (Center) - Additional Information

Gene ID 115286

Other Names
S-adenosylmethionine mitochondrial carrier protein, Mitochondrial S-adenosylmethionine transporter, Solute carrier family 25 member 26, SLC25A26, SAMC

Target/Specificity
The synthetic peptide sequence is selected from aa 129-142 of HUMAN SLC25A26

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.

SAMC Blocking Peptide (Center) - Protein Information

Name SLC25A26 (HGNC:20661)

Function
Mitochondrial S-adenosyl-L-methionine/S-adenosyl-L- homocysteine antiporter. Mediates the exchange of cytosolic S-adenosyl- L-methionine, the predominant methyl-group donor for macromolecule methylation processes, for mitochondrial S-adenosylhomocysteine(SAH), a by-product of methylation reactions.

Cellular Location
Mitochondrion inner membrane; Multi-pass membrane protein

Tissue Location
Widely expressed. Highly expressed in testis, with moderate expression in brain, heart, kidney, lung, skeletal muscle, pancreas, small intestine and liver, and low expression in spleen

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SAMC Blocking Peptide (Center) - Protocols

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

- Blocking Peptides

SAMC Blocking Peptide (Center) - Images

SAMC Blocking Peptide (Center) - Background

Mitochondrial carriers, including SLC25A26, are a family of transport proteins found mostly in the inner membranes of mitochondria. They shuttle metabolites and cofactors through the mitochondrial membrane (Agrimi et al., 2004 [PubMed 14674884]).

SAMC Blocking Peptide (Center) - References

Muzny, D.M., et al. Nature 440(7088):1194-1198(2006)
Agrimi, G., et al. Biochem. J. 379 (PT 1), 183-190 (2004) :