10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

MRI1 Blocking Peptide (Center)

Synthetic peptide
Catalog # BP22034c

Specification

MRI1 Blocking Peptide (Center) - Product Information

Primary Accession Q9BV20

MRI1 Blocking Peptide (Center) - Additional Information

Gene ID 84245

Other Names
Methylthioribose-1-phosphate isomerase {ECO:0000255|HAMAP-Rule:MF_03119}, M1Pi {ECO:0000255|HAMAP-Rule:MF_03119}, MTR-1-P isomerase {ECO:0000255|HAMAP-Rule:MF_03119}, 5.3.1.23 {ECO:0000255|HAMAP-Rule:MF_03119}, Mediator of RhoA-dependent invasion, S-methyl-5-thioribose-1-phosphate isomerase {ECO:0000255|HAMAP-Rule:MF_03119}, Translation initiation factor eIF-2B subunit alpha/beta/delta-like protein {ECO:0000255|HAMAP-Rule:MF_03119}, MRI1 {ECO:0000255|HAMAP-Rule:MF_03119}, MRDI

Target/Specificity
The synthetic peptide sequence is selected from aa 128-141 of HUMAN MRI1

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.

MRI1 Blocking Peptide (Center) - Protein Information

Name MRI1 {ECO:0000255|HAMAP-Rule:MF_03119}

Synonyms MRDI

Function
Catalyzes the interconversion of methylthioribose-1-phosphate (MTR-1-P) into methylthioribulose-1-phosphate (MTRu-1-P). Independently from catalytic activity, promotes cell invasion in response to constitutive RhoA activation by promoting FAK tyrosine phosphorylation and stress fiber turnover.

Cellular Location
Nucleus {ECO:0000255|HAMAP-Rule:MF_03119, ECO:0000269|PubMed:19620624}. Cytoplasm

{ECO:0000255|HAMAP- Rule:MF_03119, ECO:0000269|PubMed:19620624}. Cell projection. Note=Primarily nuclear, but cytoplasmic in cancer cells, with enrichment at leading edge of the plasma membrane in late stage tumor cells

MRI1 Blocking Peptide (Center) - Protocols

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

- Blocking Peptides

MRI1 Blocking Peptide (Center) - Images

MRI1 Blocking Peptide (Center) - Background

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MRI1 Blocking Peptide (Center) - References

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