

SAMM50 Blocking Peptide (Center)
Synthetic peptide
Catalog # BP20683c**Specification**

SAMM50 Blocking Peptide (Center) - Product Information

Primary Accession [O9Y512](#)
Other Accession [Q6AXV4](#), [Q8BGH2](#)

SAMM50 Blocking Peptide (Center) - Additional Information

Gene ID 25813

Other Names

Sorting and assembly machinery component 50 homolog, Transformation-related gene 3 protein, TRG-3, SAMM50, SAM50

Target/Specificity

The synthetic peptide sequence is selected from aa 346-360 of HUMAN SAMM50

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.

SAMM50 Blocking Peptide (Center) - Protein Information

Name SAMM50

Synonyms SAM50

Function

Plays a crucial role in the maintenance of the structure of mitochondrial cristae and the proper assembly of the mitochondrial respiratory chain complexes (PubMed:22252321, PubMed:25781180). Required for the assembly of TOMM40 into the TOM complex (PubMed:15644312).

Cellular Location

Mitochondrion outer membrane; Multi-pass membrane protein. Cytoplasm {ECO:0000250|UniProtKB:Q6AXV4}. Mitochondrion

SAMM50 Blocking Peptide (Center) - Protocols

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

- [Blocking Peptides](#)

SAMM50 Blocking Peptide (Center) - Images

SAMM50 Blocking Peptide (Center) - Background

May be required for the assembly pathway of mitochondrial outer membrane proteins (By similarity).

SAMM50 Blocking Peptide (Center) - References

Lai C.-H.,et al.Genome Res. 10:703-713(2000).
Kim J.W.,et al.Submitted (DEC-2002) to the EMBL/GenBank/DDBJ databases.
Ota T.,et al.Nat. Genet. 36:40-45(2004).
Collins J.E.,et al.Genome Biol. 5:R84.1-R84.11(2004).
Suzuki Y.,et al.Submitted (APR-2005) to the EMBL/GenBank/DDBJ databases.