

TIMM50 Blocking Peptide (N-term)
Synthetic peptide
Catalog # BP20709a**Specification**

TIMM50 Blocking Peptide (N-term) - Product InformationPrimary Accession [Q3ZCQ8](#)**TIMM50 Blocking Peptide (N-term) - Additional Information****Gene ID** 92609**Other Names**

Mitochondrial import inner membrane translocase subunit TIM50, TIMM50, TIM50

Target/Specificity

The synthetic peptide sequence is selected from aa 25-36 of HUMAN TIMM50

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.

TIMM50 Blocking Peptide (N-term) - Protein Information**Name** TIMM50**Synonyms** TIM50**Function**

Essential component of the TIM23 complex, a complex that mediates the translocation of transit peptide-containing proteins across the mitochondrial inner membrane (PubMed:30190335, PubMed:38828998). Has some phosphatase activity in vitro; however such activity may not be relevant in vivo.

Cellular Location

Mitochondrion inner membrane; Single-pass membrane protein

Tissue Location

Widely expressed. Expressed at higher level in brain, kidney and liver (at protein level)

TIMM50 Blocking Peptide (N-term) - Protocols

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

- [Blocking Peptides](#)

TIMM50 Blocking Peptide (N-term) - Images

TIMM50 Blocking Peptide (N-term) - Background

Essential component of the TIM23 complex, a complex that mediates the translocation of transit peptide-containing proteins across the mitochondrial inner membrane. Has some phosphatase activity in vitro; however such activity may not be relevant in vivo. Isoform 2 may participate in the release of snRNPs and SMN from the Cajal body.

TIMM50 Blocking Peptide (N-term) - References

Guo Y.,et al.J. Biol. Chem. 279:24813-24825(2004).
Zheng H.,et al.Submitted (OCT-2003) to the EMBL/GenBank/DDBJ databases.
Grimwood J.,et al.Nature 428:529-535(2004).
Zhang C.,et al.Submitted (FEB-1999) to the EMBL/GenBank/DDBJ databases.
Bienvenut W.V.,et al.Submitted (JUN-2005) to UniProtKB.