

C17orf80 Blocking Peptide (N-Term)
Synthetic peptide
Catalog # BP21486a**Specification**

C17orf80 Blocking Peptide (N-Term) - Product InformationPrimary Accession [O9BSJ5](#)**C17orf80 Blocking Peptide (N-Term) - Additional Information****Gene ID** 55028**Other Names**

Uncharacterized protein C17orf80, Cell migration-inducing gene 3 protein, Human lung cancer oncogene 8 protein, HLC-8, C17orf80

Target/Specificity

The synthetic peptide sequence is selected from aa 60-73 of HUMAN C17orf80

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.

C17orf80 Blocking Peptide (N-Term) - Protein Information**Name** MTNAP1 ([HGNC:29601](#))**Function**

Critical regulator of mitochondrial DNA (mtDNA) abundance (PubMed:[37676315](http://www.uniprot.org/citations/37676315)). Binds dsDNA throughout the mitochondrial genome without sequence specificity and controls mtDNA copy number by promoting its replication (PubMed:[37676315](http://www.uniprot.org/citations/37676315)). Also plays important roles in mitochondrial metabolism and cell proliferation (PubMed:[37676315](http://www.uniprot.org/citations/37676315)).

Cellular Location

Mitochondrion inner membrane; Single-pass type I membrane protein. Mitochondrion matrix, mitochondrion nucleoid Note=Retained in nucleoids under mtDNA replication stress caused by ddC and EtBr.

C17orf80 Blocking Peptide (N-Term) - Protocols

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

- [Blocking Peptides](#)

C17orf80 Blocking Peptide (N-Term) - Images**C17orf80 Blocking Peptide (N-Term) - References**

Kim J.W.,et al.Submitted (OCT-2002) to the EMBL/GenBank/DDBJ databases.

Wiemann S.,et al.Genome Res. 11:422-435(2001).

Ota T.,et al.Nat. Genet. 36:40-45(2004).

Zody M.C.,et al.Nature 440:1045-1049(2006).

Mural R.J.,et al.Submitted (JUL-2005) to the EMBL/GenBank/DDBJ databases.