

Human-AHCTF1 (S1232) Blocking Peptide
Synthetic peptide
Catalog # BP20765b**Specification**

Human-AHCTF1 (S1232) Blocking Peptide - Product InformationPrimary Accession [Q8WYP5](#)**Human-AHCTF1 (S1232) Blocking Peptide - Additional Information****Gene ID** 25909**Other Names**

Protein ELYS, Embryonic large molecule derived from yolk sac, Protein MEL-28, Putative AT-hook-containing transcription factor 1, AHCTF1, ELYS, TMBS62

Target/Specificity

The synthetic peptide sequence is selected from aa 1210-1240 of HUMAN AHCTF1

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.

Human-AHCTF1 (S1232) Blocking Peptide - Protein Information**Name** AHCTF1**Synonyms** ELYS, TMBS62**Function**

Required for the assembly of a functional nuclear pore complex (NPC) on the surface of chromosomes as nuclei form at the end of mitosis. May initiate NPC assembly by binding to chromatin and recruiting the Nup107-160 subcomplex of the NPC. Also required for the localization of the Nup107-160 subcomplex of the NPC to the kinetochore during mitosis and for the completion of cytokinesis.

Cellular Location

Cytoplasm {ECO:0000250|UniProtKB:Q8CJF7}. Nucleus. Nucleus envelope Nucleus matrix. Chromosome, centromere, kinetochore Nucleus, nucleoplasm. Nucleus, nuclear pore complex. Note=Localizes to the nuclear pore complex (NPC) throughout interphase. Localizes to the kinetochore from prophase, and this appears to require the Nup107-160 subcomplex of the NPC. Localizes to the periphery of chromatin from late anaphase.

Human-AHCTF1 (S1232) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

Human-AHCTF1 (S1232) Blocking Peptide - Images

Human-AHCTF1 (S1232) Blocking Peptide - Background

Required for the assembly of a functional nuclear pore complex (NPC) on the surface of chromosomes as nuclei form at the end of mitosis. May initiate NPC assembly by binding to chromatin and recruiting the Nup107-160 subcomplex of the NPC. Also required for the localization of the Nup107-160 subcomplex of the NPC to the kinetochore during mitosis and for the completion of cytokinesis.

Human-AHCTF1 (S1232) Blocking Peptide - References

Kimura N.,et al.Genes Cells 7:435-446(2002).
Lightfoot J.,et al.Submitted (OCT-2002) to the EMBL/GenBank/DDBJ databases.
Gregory S.G.,et al.Nature 441:315-321(2006).
Bechtel S.,et al.BMC Genomics 8:399-399(2007).
Liu B.,et al.Submitted (JUL-1999) to the EMBL/GenBank/DDBJ databases.