

(Mouse) Mlf1 Blocking Peptide (Center)
Synthetic peptide
Catalog # BP21445c**Specification****(Mouse) Mlf1 Blocking Peptide (Center) - Product Information**Primary Accession [Q9QWV4](#)**(Mouse) Mlf1 Blocking Peptide (Center) - Additional Information****Gene ID** 17349**Other Names**

Myeloid leukemia factor 1, Hematopoietic lineage switch 7, Myelodysplasia-myeloid leukemia factor 1, Mlf1, Hls7

Target/Specificity

The synthetic peptide sequence is selected from aa 91-106 of HUMAN Mlf1

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.

(Mouse) Mlf1 Blocking Peptide (Center) - Protein Information**Name** Mlf1**Synonyms** Hls7**Function**

Involved in lineage commitment of primary hemopoietic progenitors by restricting erythroid formation and enhancing myeloid

(Mouse) Mlf1 Blocking Peptide (Center) - Background

Involved in lineage commitment of primary hemopoietic progenitors by restricting erythroid formation and enhancing myeloid formation. Interferes with erythropoietin-induced erythroid terminal differentiation by preventing cells from exiting the cell cycle through suppression of CDKN1B/p27Kip1 levels. Suppresses RFWD2/COP1 activity via CSN3 which activates p53 and induces cell cycle arrest. Binds DNA and affects the expression of a number of genes so may function as a transcription factor in the nucleus.

(Mouse) Mlf1 Blocking Peptide (Center) - References

Hitzler J.K.,et al.Am. J. Pathol. 155:53-59(1999).
Williams J.H.,et al.EMBO J. 18:5559-5566(1999).
Lim R.,et al.J. Biol. Chem. 277:40997-41008(2002).
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formation. Interferes with erythropoietin-induced erythroid terminal differentiation by preventing cells from exiting the cell cycle through suppression of CDKN1B/p27Kip1 levels. Suppresses COP1 activity via CSN3 which activates p53 and induces cell cycle arrest. Binds DNA and affects the expression of a number of genes so may function as a transcription factor in the nucleus.

Cellular Location

Cytoplasm. Nucleus. Cell projection, cilium. Cytoplasm, cytoskeleton, cilium basal body. Note=Shuttles between the cytoplasm and nucleus.

Tissue Location

Highly expressed in skeletal muscle, heart, testis. Also found in lung, but not in spleen, thymus, bone marrow, liver and kidney.

(Mouse) Mlf1 Blocking Peptide (Center) - Protocols

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

- [Blocking Peptides](#)