

NFE4 Blocking Peptide (Center)
Synthetic peptide
Catalog # BP21387c**Specification**

NFE4 Blocking Peptide (Center) - Product Information

Primary Accession [Q86UQ8](#)

NFE4 Blocking Peptide (Center) - Additional Information**Other Names**

Transcription factor NF-E4, NFE4

Target/Specificity

The synthetic peptide sequence is selected from aa 102-116 of HUMAN NFE4

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.

NFE4 Blocking Peptide (Center) - Protein Information**Name** NFE4**Function**

Functions as part of the SSP (stage selector protein) complex, a complex that contributes to the preferential expression of the gamma-gene in fetal erythroid cells by facilitating the interaction of the gamma-globin genes with enhancer elements contained in the locus control region (LCR). The complex binds to the stage selector element (SSE) in the proximal gamma-globin promoter. In contrast, isoform 2 acts as a repressor of gamma-globin gene expression by preventing NFE2 and RNA polymerase II recruitment to the promoter.

Cellular Location

Nucleus.

Tissue Location

Specifically expressed in fetal liver, cord blood and bone marrow. Also expressed in the K562 and HEL cell lines, which constitutively express the fetal globin genes

NFE4 Blocking Peptide (Center) - Protocols

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

- [Blocking Peptides](#)

NFE4 Blocking Peptide (Center) - Images

NFE4 Blocking Peptide (Center) - Background

Functions as part of the SSP (stage selector protein) complex, a complex that contributes to the preferential expression of the gamma-gene in fetal erythroid cells by facilitating the interaction of the gamma-globin genes with enhancer elements contained in the locus control region (LCR). The complex binds to the stage selector element (SSE) in the proximal gamma-globin promoter. In contrast, isoform 2 acts as a repressor of gamma- globin gene expression by preventing NFE2 and RNA polymerase II recruitment to the promoter.

NFE4 Blocking Peptide (Center) - References

Zhou W.,et al.Mol. Cell. Biol. 20:7662-7672(2000).
Hillier L.W.,et al.Nature 424:157-164(2003).
Zhao Q.,et al.Blood 107:2138-2145(2006).
Zhou W.,et al.J. Biol. Chem. 279:26227-26232(2004).
Zhao Q.,et al.J. Biol. Chem. 279:41477-41486(2004).