

(Mouse) Sox15 Blocking Peptide (C-term)
Synthetic peptide
Catalog # BP21013c

Specification

(Mouse) Sox15 Blocking Peptide (C-term) - Product Information

Primary Accession [P43267](#)

(Mouse) Sox15 Blocking Peptide (C-term) - Additional Information

Gene ID 20670

Other Names

Protein SOX-15, Sox15, Sox-15

Target/Specificity

The synthetic peptide sequence is selected from aa 152-165 of HUMAN Sox15

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) Sox15 Blocking Peptide (C-term) - Protein Information

Name Sox15 {ECO:0000312|MGI:MGI:98363}

Function

Transcription factor that binds to DNA at the 5'-ACAATG-3' consensus sequence (PubMed:10821863, PubMed:15863505, PubMed:16759287, PubMed:17363903). Acts as a transcriptional activator and repressor (PubMed:10821863, PubMed:15863505, PubMed:16759287). Binds synergistically with POU5F1 (OCT3/4) to gene promoters (PubMed:15863505). Binds to the FOXK1 promoter and recruits FHL3, resulting in transcriptional activation of FOXK1 which leads to myoblast proliferation (PubMed:17363903). Acts as an inhibitor of myoblast differentiation via transcriptional repression which leads to down-regulation of the muscle-specific genes MYOD and

MYOG (PubMed:10821863). Involved in trophoblast giant cell differentiation via enhancement of HAND1 transcriptional activity (PubMed:16759287). Regulates transcription of HRC via binding to its proximal enhancer region (PubMed:15863505). Involved in skeletal muscle regeneration (PubMed:15367664, PubMed:17363903). Also plays a role in the development of myogenic precursor cells (PubMed:15367664).

Cellular Location

Nucleus {ECO:0000255|PROSITE-ProRule:PRU00267, ECO:0000269|PubMed:10821863, ECO:0000269|PubMed:15367664, ECO:0000269|PubMed:17363903}

Tissue Location

Expressed in myoblasts (at protein level) (PubMed:15367664). Expressed in embryonic stem cells (at protein level) (PubMed:15367664, PubMed:15863505). Expressed in myogenic progenitor cells (at protein level) (PubMed:17363903). Expressed in the ovary (PubMed:15367664). Expressed in kidney, liver, skeletal muscle, and testes (PubMed:10821863, PubMed:15367664). Expressed in lung and skin (PubMed:15863505). Expressed in the brain, heart, diaphragm, and intestines (PubMed:10821863). Expressed in the conceptus tissues of the placenta (PubMed:16759287).

(Mouse) Sox15 Blocking Peptide (C-term) - Protocols

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

- [Blocking Peptides](#)

(Mouse) Sox15 Blocking Peptide (C-term) - Images

(Mouse) Sox15 Blocking Peptide (C-term) - References

Miyashita A.,et al.Gene 237:53-60(1999).
Beranger F.,et al.J. Biol. Chem. 275:16103-16109(2000).
Liu Y.,et al.Submitted (FEB-2000) to the EMBL/GenBank/DDBJ databases.
Stock D.W.,et al.Genomics 37:234-237(1996).
van de Wetering M.,et al.Nucleic Acids Res. 21:1669-1669(1993).