

(Mouse) Srf Blocking Peptide (C-term)

Synthetic peptide

Catalog # BP20866c

Specification

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

Primary Accession

[Q9JM73](#)**(Mouse) Srf Blocking Peptide (C-term) - Additional Information**

Gene ID 20807

Other Names

Serum response factor, SRF, Srf

Target/Specificity

The synthetic peptide sequence is selected from aa 489-504 of HUMAN Srf

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

Name Srf

Function

SRF is a transcription factor that binds to the serum response element (SRE), a short sequence of dyad symmetry located 300 bp to the 5' of the site of transcription initiation of some genes (such as FOS) (PubMed: [24732378](http://www.uniprot.org/citations/24732378)). Together with MRTFA transcription coactivator, controls expression of genes regulating the cytoskeleton during development, morphogenesis and cell migration (PubMed: [12732141](http://www.uniprot.org/citations/12732141), PubMed: [19350017](http://www.uniprot.org/citations/19350017), PubMed: [24732378](http://www.uniprot.org/citations/24732378)). The SRF-MRTFA complex activity responds to Rho GTPase-induced changes in cellular globular actin (G-actin) concentration, thereby coupling cytoskeletal gene expression to cytoskeletal dynamics (PubMed: [24732378](http://www.uniprot.org/citations/24732378)). Required for cardiac differentiation and maturation (PubMed: [15169892](http://www.uniprot.org/citations/15169892)).

Cellular Location

Nucleus {ECO:0000255|PROSITE-ProRule:PRU00251, ECO:0000269|PubMed:19350017}

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

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

- [Blocking Peptides](#)

(Mouse) Srf Blocking Peptide (C-term) - Images**(Mouse) Srf Blocking Peptide (C-term) - Background**

SRF is a transcription factor that binds to the serum response element (SRE), a short sequence of dyad symmetry located 300 bp to the 5' of the site of transcription initiation of some genes (such as FOS) (By similarity). Required for cardiac differentiation and maturation.

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

Miwa T.,et al.Submitted (FEB-2000) to the EMBL/GenBank/DDBJ databases.
Zhang X.,et al.J. Biol. Chem. 279:55626-55632(2004).
Parlakian A.,et al.Mol. Cell. Biol. 24:5281-5289(2004).
Zhang X.,et al.Biochem. Biophys. Res. Commun. 346:794-801(2006).
Villen J.,et al.Proc. Natl. Acad. Sci. U.S.A. 104:1488-1493(2007).