

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

Synthetic peptide

Catalog # BP20866c

**Specification**

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**(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).