

Recombinant Human SRF

Cat. No. SRF-30614TH Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant fragment corresponding to amino acids 406-508 of Human Serum Response Factor SRF with an N terminal proprietary tag; Predicted MWt 36.96 kDa.
Species	Human
Source	Wheat Germ
ProteinLength	103 amino acids
Description	This gene encodes a ubiquitous nuclear protein that stimulates both cell proliferation and differentiation. It is a member of the MADS (MCM1, Agamous, Deficiens, and SRF) box superfamily of transcription factors. This protein binds to the serum response element (SRE) in the promoter region of target genes. This protein regulates the activity of many immediate-early genes, for example c-fos, and thereby participates in cell cycle regulation, apoptosis, cell growth, and cell differentiation. This gene is the downstream target of many pathways; for example, the mitogen-activated protein kinase pathway (MAPK) that acts through the ternary complex factors (TCFs).
Molecular Weight	36.960kDa inclusive of tags
Form	Liquid
Purity	Proprietary Purification

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Storage buffer	pH: 8.00Constituents:0.3% Glutathione, 0.79% Tris HCl
Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
Sequences of amino acids	HMMYPSPHAVMYAPTSGLDGSLTVLNAFSQAPSTMQVSH SQVQEPGGVPQVFL TASSGTVQIPVSAVQLHQMAVIGQQA GSSSNLTELQVVNLDTAHSTKSE
Sequence Similarities	Contains 1 MADS-box domain.

GENE INFORMATION

Gene Name	SRF serum response factor (c-fos serum response element-binding transcription factor) [Homo sapiens]
Official Symbol	SRF
Synonyms	SRF; serum response factor (c-fos serum response element-binding transcription factor); serum response factor; MCM1;
Gene ID	6722
mRNA Refseq	NM_003131
Protein Refseq	NP_003122
MIM	600589
Uniprot ID	P11831
Chromosome	6p

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Location	
Pathway	Coregulation of Androgen receptor activity, organism-specific biosystem; ErbB1 downstream signaling, organism-specific biosystem; HTLV-I infection, organism-specific biosystem; HTLV-I infection, conserved biosystem; Heart Development, organism-specific biosystem;
Function	RNA polymerase II core promoter proximal region sequence-specific DNA binding transcription factor activity involved in positive regulation of transcription; contributes_to RNA polymerase II core promoter sequence-specific DNA binding transcription factor

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