

Recombinant Human SRF Protein, MYC/DDK-tagged, C13 and N15-labeled

Cat. No. SRF-363H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	SRF MS Standard C13 and N15-labeled recombinant protein (NP_003122) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	<p>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). Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, May 2014]</p>
Molecular Mass	51.4 kDa
AA Sequence	<p>MLPTQAGAAAALGRGSALGGSLNRTPTGRPGGGGGTRGANGGRVPGNGAGLGP GRLEREAAAAAATTPAPTAGALYSGSEGDSSESGEEEEELGAERRGLKRSLSEMEIGM VVGPEASAAATGGYGPVSGAVSGAKPGKKTRGRVKIKMEFIDNKLRRYTTFSKRK</p>

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TGIMKKAYELSTLTGTQVLLLVASETGHVYTFATRKLQPMITSETGKALIQTCLNSPD
 SPPRSDPTTDQRMSATGFEETDLTYQVSESDSSGETKDTLKPFAFTVTNLPGTTSTIQ
 TAPSTSTTMQVSSGSPFITNYLAPVSASVSPSAVSSANGTVLKSTGSGPVSSGGL
 MQLPTSFTLMPGGAVAQQVPVQAIQVHQAPQQASPSRDSSTDLTQTSSSGTVTLPA
 TIMTSSVPTTVGGHMMYPSPHAVMYAPTSGLGDGSLTVLNAFSQAPSTMQVSHSQ
 VQEPGGVPQVFLTASSGTVQIPVSAVQLHQMAVIGQQAGSSSNLTELQVVNLDTAH
 STKSETRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name SRF serum response factor (c-fos serum response element-binding transcription factor) [Homo sapiens (human)]

Official Symbol SRF

Synonyms SRF; serum response factor (c-fos serum response element-binding transcription factor); serum response factor; MCM1;

Gene ID 6722

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mRNA Refseq	NM_003131
Protein Refseq	NP_003122
MIM	600589
UniProt ID	P11831

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