

Product datasheet for PH308596

Serum Response Factor (SRF) (NM_003131) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	SRF MS Standard C13 and N15-labeled recombinant protein (NP_003122)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC208596
Predicted MW:	51.4 kDa
Protein Sequence:	>RC208596 representing NM_003131 Red=Cloning site Green=Tags(s) MLPTQAGAAAALGRGSALGGSLNRTPTGRPGGGGTRGANGGRVPGNGAGLGPGRLEREAAAAAATTPAP TAGALYSGSEGDSESGEEEEELGAERRGLKRSLSEMEIGMVGGPEASAAATGGYGPVSGAVSGAKPGKKT RGRVKIKMEFIDNKLRRYTTFSKRKTGIMKKAYELSTLTGTQVLLLVASETGHVYTFATRKLQPMITSET GKALIQTCLNSPDSPPRSDDPTTDQRMSATGFEETDLTYQVSESDSSGETKDTLKPFTVTNLPGTTSTIQ TAPSTSTTMQVSSGSPFITNYLAPVSASVSPSAVSSANGTVLKSTGSGPVSSGGLMQLPSTFTLMPGGA VAQQVPVQAIQVHQAPQQASPSRDSSTDLTQTSSSGTVLTPATIMTSSVPPTTVGGHMMYPSPHAVMYAPT SGLGDGSLTVLNAFSQAPSTMQVSHSQVQEPGGVPQVFLTASSGTQVQIPVSAVQLHQMAVIGQQAGSSSN LTELQVNLDTAHSTKSE TRTRPLEQKLI SEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<u>NP_003122</u>
RefSeq Size:	4343
RefSeq ORF:	1524



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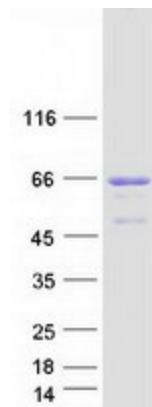
Synonyms: MCM1
Locus ID: 6722
UniProt ID: [P11831](#), [A0A024RD16](#)
Cytogenetics: 6p21.1

Summary: 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]

Protein Families: Druggable Genome, Transcription Factors

Protein Pathways: MAPK signaling pathway

Product images:



Coomassie blue staining of purified SRF protein (Cat# [TP308596]). The protein was produced from HEK293T cells transfected with SRF cDNA clone (Cat# [RC208596]) using MegaTran 2.0 (Cat# [TT210002]).