

SRFBP1 Protein, Human (sf9, His-GST)

Cat. No.:	HY-P77215
Synonyms:	Serum response factor-binding protein 1; p49/STRAP; SRFBP1
Species:	Human
Source:	Sf9 insect cells
Accession:	Q8NEF9 (M1-D429)
Gene ID:	153443
Molecular Weight:	Approximately 69 kDa

PROPERTIES

Appearance	Solution.
Formulation	Supplied as a 0.2 µm filtered solution of 20 mM Tris, 500 mM NaCl, 10% Glycerol, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	N/A.
Storage & Stability	Stored at -80°C for 1 year. It is stable at -20°C for 3 months after opening. It is recommended to freeze aliquots at -80°C for extended storage. Avoid repeated freeze-thaw cycles.
Shipping	Shipping with dry ice

DESCRIPTION

Background	SRFBP1 Protein emerges as a potential regulator in diverse cellular processes, with implications in the aging-associated transcriptional activation of cardiac genes. Additionally, it may play a role in the biosynthesis and/or processing of SLC2A4 in adipose cells, suggesting a multifaceted involvement in metabolic pathways. Interactions with the transcription factor SRF, as well as the formation of complexes with SRF cofactors ARID2, MYOCD, and NKX2-5, highlight SRFBP1's role in transcriptional regulation. Moreover, its interaction with the N-terminus of SLC2A4 suggests a potential role in the modulation of glucose transport processes. Unraveling the specific mechanisms governing SRFBP1's functions could provide valuable insights into its role in cardiac aging, metabolic regulation, and transcriptional control, paving the way for a more comprehensive understanding of its cellular impact.
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Caution: Product has not been fully validated for medical applications. For research use only.

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