9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

USF1 Human

Upstream Transcription Factor 1 Human Recombinant
RCP2524

Product Overview

Name	USF1 Human
Description	
Upstream Transcription Factor 1 Human Recombinant	
Accession (Primary)	P22415
Synonyms	
Upstream Transcription Factor 1, Class B Basic Helix-Loop-Helix Protein 11, Major Late Transcription Factor 1, bHLHb11, HYPLIP1, FCHL, FCHL1, MLTF, MLTFI, UEF, Upstream Stimulatory Factor 1, BHLHB11, USF, USF1.	
Introduction	
Upstream Transcription Factor 1 (USF1) belongs to the basic helix-loop-helix leucine zipper family, and functions as a cellular transcription factor. USF1 activates transcription via pyrimidine-rich initiator (Inr) elements and E-box motifs. The USF1 gene has been linked to familial combined hyperlipidemia (FCHL). USF1 is a transcription factor which binds to a symmetrical DNA sequence (E-boxes) (5'-CACGTG-3') found in a various viral and cellular promoters.	
Source	
Escherichia Coli.	
Physical Appearance	
Sterile Filtered colorless solution.	
Formulation	
USF1 protein solution (0.25mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 0.15M NaCl, 20% glycerol and 1mM DTT.	
Stability	
Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.	
Purity	
Greater than 90.0% as determined by SDS-PAGE.	
Amino acid sequence	
MGSSHHHHHH SSGLVPRGSH MGS MKGQQKT AETEEGTVQI QEGAVATGED PTSVAIASIQ SAATFPDPNV KYVFRTENGG QVMYRVIQVS EGQLDGQTEG TGAISGYPAT QSMTQAVIQG AFTSDDAVDT EGTAAETHYT	

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YFPSTAVGDG AGGTTSGSTA AVVTTQGSEA LLGQATPPGT GQFFVMMSPQ EVLQGGSQRS IAPRTHPYSP KSEAPRTTRD EKRRAQHNEV ERRRRDKINN WIVQLSKIIP DCSMESTKSG QSKGGILSKA CDYIQELRQS NHRLSEELQG LDQLQLDNDV LRQQVEDLKN KNLLLRAQLR HHGLEVVIKN DSN.

Precautions

USF1 Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (P22415)