

32-5200: Recombinant Human Upstream Transcription Factor 1

Alternative Name : 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.

Description

Source : Escherichia Coli. USF1 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 333 amino acids (1-310 a.a) and having a molecular mass of 35.9kDa. USF1 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. 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.

Product Info

Amount : 10 µg
Purification : Greater than 90.0% as determined by SDS-PAGE.
Content : USF1 protein solution (0.25mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 0.15M NaCl, 20% glycerol and 1mM DTT.
Storage condition : 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.
Amino Acid : MGSSHHHHHH SSSLVPRGSH MGS MKGQKQT AETEEGTVQI QEGAVATGED PTSVAIASIQ
SAATFPDPNV KYVFRTEGG QVMYRVIQVS EGQLDGQTEG TGAISGYPAT QSMTQAVIQG AFTSDDAVDT
EGTAAETHYT YFPSTAVGDG AGGTTSGSTA AVVTTQGSEA LLGQATPPGT GQFFVMMSPQ
EVLQGGSQRS IAPRTHPYSP KSEAPRTTRD EKRRAQHNEV ERRRRDKINN WIVQLSKIIP DCSMESTKSG
QSKGGILSKA CDYIQELRQS NHRLSEELQG LDQLQLDNDV LRQQVEDLKN KNLLLRAQLR HHGLEVIKN
DSN.