

USF1, 1-310aa, Human, His tag, E.coli

Cat.NO.: TP04443

3th Edition

Synonyms:Upstream transcription factor 1, bHLHb11, FCHL, FCHL1, HYPLIP1, MLTF, MLTFI, UEF

Description:USF1 is a member of the basic helix-loop-helix leucine zipper family, and can function as a cellular transcription factor. USF1 can activate transcription through pyrimidine-rich initiator (Inr) elements and E-box motifs. This gene has been linked to familial combined hyperlipidemia (FCHL). Alternative splicing of this gene results in multiple transcript variants. A related pseudogene has been defined on chromosome 21. Recombinant human USF1 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

Form:Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 20% glycerol, 1mM DTT

Molecular Weight:35.9kDa (333aa), confirmed by MALDI-TOF

Sequences:

MGSSHHHHHSSGLVPRGSHMGSMKGQKTAETEEGTVQIQEGAVATGEDPTSVAIASIQSAATFPDPNVKYVFR
TENGGQVMYRVIQVSEGQLDGQTEGTGAISGYPATQSMTQAVIQGAFTSDDAVDTEGTAAETHYTFPSTAVGDG
AGGTTSGSTAADVTTQGSEALLGQATPPGTGQFFVMMSPQEVLLQGGSRSIAPRTHPYSPKSEAPRTRRDEKRR
AQHNEVERRRRDKINWIVQLSKIIPDCSMESTKSGQSKGGILSKACDYIQELRQSNHRLSEELQGLDQLQLDNDVL
RQQVEDLKNKNLLLRAQLRHHGLEVVIKNDSN

Purity:> 95% by HPLC

Concentration:0.25 mg/ml (determined by Bradford assay)

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.