

Recombinant Human USF1 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. USF1-5850H **Lot. No.** (See product label)

SPECIFICATION

Product Overview

USF1 MS Standard C13 and N15-labeled recombinant protein (NP_009053) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.

Species

Human

Source

HEK293

Description

This gene encodes a member of the basic helix-loop-helix leucine zipper family, and can function as a cellular transcription factor. The encoded protein 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.

Molecular Mass

33.5 kDa

AA Sequence

MKGQQKTAETEEGTVQIQEGAVATGEDPTSVAIASIQSAATFPDPNVKYVFRTEGG
 QVMYRVIQVSEGQLDGQTEGTGAISGYPATQSMTQAVIQGAFTSDDAVDTEGTAAE
 THYTYFPSTAVGDGAGGTTSGSTAAVVTTQGSEALLGQATPPGTGQFFVMMSPQE
 VLQGGSQRSIAPRTHPYSPKSEAPRTRRDEKRRAQHNEVERRRRDKINNWIWQLSKI
 IPDCSMESTKSGQSKGGILSKACDYIQELRQSNHRLSEELQGLDQLQLDNDVLRQQ
 VEDLKNKNLLLRAQLRHHGLEVVIKNDSNTRTRPLEQKLISEEDLAANDILDYKDDDD
 KV

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Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 µg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

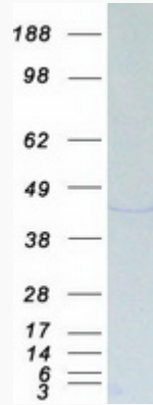
Gene Name	USF1 upstream transcription factor 1 [Homo sapiens (human)]
Official Symbol	USF1
Synonyms	USF1; upstream transcription factor 1; upstream stimulatory factor 1; bHLHb11; MLTF1; UEF; major late transcription factor 1; class B basic helix-loop-helix protein 11; FCHL; MLTF; FCHL1; HYPLIP1;
Gene ID	7391
mRNA Refseq	NM_007122
Protein Refseq	NP_009053
MIM	191523
UniProt ID	P22415

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SDS-PAGE



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