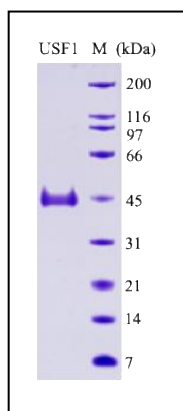


Recombinant USF1 Protein

Catalog Number	Size
AG1062-10	10ug
AG1062-25	25ug
AG1062-B	Bulk

Description

The recombinant human upstream stimulatory factor 1 (USF1) was expressed in the E coli system and purified by the combination of Ni-affinity column and other conventional chromatographic methods. The resulted protein contains 324 amino acids with a 6His tag at the N-terminus. It migrates in SDS-PAGE with an apparent molecular mass of 45kDa.



MHHHHHHGRRASVHMKGQQKTAETEEGTVQIQEGAVATGEDPTSVAIASI
 QSAATFPDPNVKYVFRTEGGQVMYRVIQVSEGQLDGGTEGTGAISGYPA
 TQSMTQAVIQGAFTSDDAVDTEGTAAETHYTYFPSTAVGDGAGGTTSGST
 AAVVTQGSEALLGQATPPGTGQFFVMMSPQEVLLQGSQRSIAPRTHPYS
 PKSEAPRTTRDEKRRAQHNEVERRRRDKINNWIVQLSKIIPDCSMESTKS
 GQSKGGILSKACDYIQELRQSNHRLSEELQGLDQLQLDNDVLRQQVEDLK
 NKNLLLRAQLRHHGLEVVIKNSN-

Accession Number

NM_007122

Molecular Mass

Approximately 45kDa.

Purity

≥90%, as determined by SDS-PAGE.

Biological Activity

USF1 is a member of the basic helix-loop-helix leucine zipper family and functions as a transcription factor mediating transcription through pyrimidine-rich initiator elements and the E-box motifs. The recombinant USF1 protein can be used for the studies of transcription assays, protein-protein interactions and other related function assays.

Formulation

20mM Tris-Cl (pH7.9), 20% glycerol 100mM NaCl, 1mM DTT and 1mM EDTA.

Storage

The protein sample can be stored under sterile conditions at 2-8°C for one month or at -20°C to -70°C for three months without detectable loss of activity. (**Avoid repeated freeze-thaw cycle**)

FOR RESEARCH USE ONLY!!!