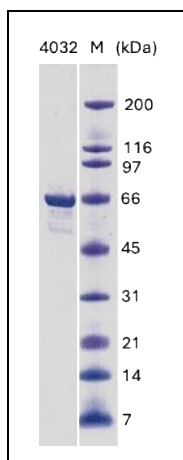


Recombinant GST-USF1 Protein

Catalog Number	Size
AG4032-10	10ug
AG4032-25	25ug
AG4032-B	Bulk

Description

The recombinant GST-USF1 protein was expressed in the E coli system and purified by the combination of glutathione Sepharose affinity column and other conventional chromatographic methods. The resulted protein contains 537 amino acids with a GST tag at the N-terminus. It migrates in SDS-PAGE with an apparent molecular mass of 65kDa.



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MSPILGYWKI KGLVQPTRLL LEYLEEKYEE HLYERDEGDK WRNKKFELGL
EFPNLPYYID GDVKLTQSM A IIRYIADKHN MLGGCPKERA EISMLEGAVL
DIRYGVSRIA YSKDFETLKV DFLSKLPEML KMFEDRLCHK TYLNGDHVTH
PDFMLYDALD VVLYMDPMCL DAFPKLVCFK KRIEAIQID KYLKSSKYIA
WPLQGWOATF GGGDHPPKSD LVPRGSHMKG QOKTAETEEG TVQIQEGAVA
TGEDPTSAI ASIQSAATFP DPNVKYVFRT ENGGQVMYRV IQVSEGQLDG
QTEGTGAISG YPATQSM TQA VIQGAFTSDD AVDTEGTAAE THYTYFPSTA
VGDGAGGTTS GSTAAVTTQ GSEALLGQAT PPGTGQFFVM MSPQEV LQGG
SQRSIAPRTH PYSKSEAPR TTRDEKRRAQ HNEVERRRRD KINNWI VQLS
KIIPDCSMES TKSQSKGGI LSKACDYIQE LRQSNHRLSE ELQGLDQLQL
DNDVLRQQVE DLKNKNLLLR AQLRHHGLEV VIKNDSN-

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Accession Number

NM_007122

Molecular Mass

Approximately 65kDa.

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 GST-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!!!