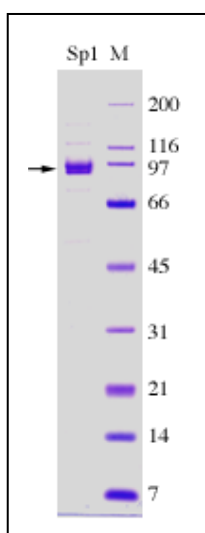


Recombinant SP1 Protein

Catalog Number	Size
AG1033-10	10ug
AG1033-25	25ug
AG1033-B	Bulk

Description

Recombinant human SP1 protein (GC box-binding protein) was expressed in the baculovirus system and purified by an affinity column in combination of other chromatograph methods. The resulted protein is a monomeric polypeptide of 792 (14+778) amino acids with a 6His tag at the N-terminus. It migrates in SDS-PAGE with an apparent molecular mass of 95kDa.



MHHHHHHGRRASVTMDEMTAVVKIEKGVGGNNGGNGGGGAFSQARSSSTG
SSSSTGGGGQESQPSHLALLAATCSRIESPNENSNNNSQGSPSQSGGTGELDL
TATQLSQGPMAGRSSLPLGLPLPQRNRVAAPVMAAMAVSLPRIAQSLVGS
MLCAAPNLQNQQVLTGLPGVMPNIQYQVIQFQTVDDGQQLQFAATGAQVQQ
DGSGQIQIIPGANQQIITNRGSGGNIIAAMPNLLQQAQVPLQGLANNVLSGQ
TQYVTNPVALNGNITLLPVNSVSAATLTPSSQAVTISSSGSQESGSPVPT
SGTTISSASLVSSQASSSSFFTNANSYSTTTTTSNMGIMNFTTSGSSGTNS
QGQTPQRVSGLQGS DALNIQQNQTS GGS LQAGQQKEGEQNQQTQQQQIILIQ
PQLVQGGQALQALQAAPLSGQTFTTQAI SQETLQNLQLQAVPNSGP I I I RT
PTVGPNGQVSWQTLQLQNLQVQNPQAQTITLAPMQGVSLGQTSSTNTTLTP
IASAASIPAGTVTVNAAQLSSMPGLQTINLSALGTSGIQVHPIQGLPLAIA
NAPGDHGAQLGLHGAGGDGIHDDTAGGEEGENSPDAQPQAGRRTREACTC
PYCKDSEGRGSGDPGKKKQHICHIQGCGKVYGKTSHLRAHLRWHTGERPFM
CTWSYCGKRFTRSDQLQRHKRTHTEGKKFACPECPKRFMRSDHLSKHIKTH
QNKKGPGVALSVGTLPLDSGAGSESGTATPSALITTNMVAMEAICPEGI
ARLANSGINVMQVADLQ SINISGNGF-

Accession Number

NM_138473

Molecular Mass

Approximately 95kDa.

Purity

≥90%, as determined by SDS-PAGE.

Biological Activity

Human SP1 (GC box-binding protein) is a zinc finger transcription factor that binds to GC-rich motifs of many promoters. SP1 is involved in diverse cellular processes through various mechanisms, including gene expression, cell differentiation, apoptosis and others. Recombinant SP1 protein can be used for the studies of in vitro transcription, phosphorylation, protein-protein interactions and other related function assays.

Formulation

20mM Tris-Cl (pH7.9), 20% glycerol 150mM NaCl , 1mM DTT and 3mM EDTA.



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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!!!