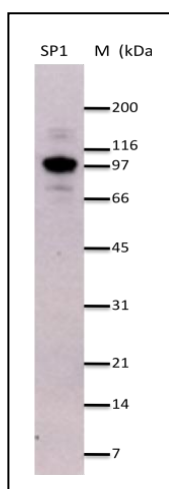


Natural SP1 Protein (HeLa)

Catalog Number	Size
AG1034-10	10ug
AG1034-25	25ug
AG1034-B	Bulk

Description

The natural human SP1 protein (GC box-binding protein) was purified from the HeLa cells by an affinity column in combination of other chromatograph methods. The resulted protein is a monomeric polypeptide of 778 amino acids and migrates in SDS-PAGE with an apparent molecular mass of 95kDa.



MDEMTAVVKIEKGVGGNNGGNGGGGAFSQARSSSTGSSSSTGGGGQESQP
SHLALLAATCSRIESPNENSNNNSQGSPSQSGGTGELDLTATQLSQGPMAGRS
SLPPLGLPLPQRNRVAAPVMAAMAVSLPRIAQSLVGSMLCAAPNLQNQQVL
TGLPGVMPNIQYQVVPQFQTVDDGQQLQFAATGAQVQDGSQIQIIPGANQ
QIITNRGSGGNIIAAMPNLLQQAVPLQGLANNVLSGQTQYVTNVPVALNGN
ITLLPVNSVSAATLTPSSQAVTISSSGSQESGSPVTSGTTISSASLVSSQ
ASSSSFFTNANSYSTTTTTSNMGIMNFTTSGSSGTNSQGQTPQQRVSLQGS
DALNIQQNQTSGGSLQAGQQKEGEQNQQTQQQQIILIQPQLVQGGQALQALQ
AAPLSGQTFTTQAIISQETLQNLQLQAVPNSGPPIIRTPTVGPNGQVSWQTL
QLQNLQVQNPQAQTITLAPMQGVSLGQTSSTNTTLTPIASAASIPAGTVTV
NAAQLSSMPGLQTINLSALGTSGIQVHPIQGLPLAIANAPGDHGAQLGLHG
AGGDGIHDDTAGGEEGENSPDAQPQAGRRTREACTCPYCKDSEGRGSGDP
GKKKQHICHIQGCGKVYGKTSHLRAHLRWHTGERPFMCTWSYCGKRFTSRD
ELQRHKRTHTGKFKFACPECPKRFMRSDHLSKHIKTHQNKKGPGVALSVG
TLPLDSGAGSESGTATPSALITTNMVAMEAICPEGIARLANSGINVMQVA
DLQSINISGNF-

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. The purified 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.

Storage

The protein sample can be stored under sterile conditions at 2-



www.ascentgene.com

Tel: 1-800-689-2270 or 301-476-0885

Email: info@ascentgene.com

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!!!