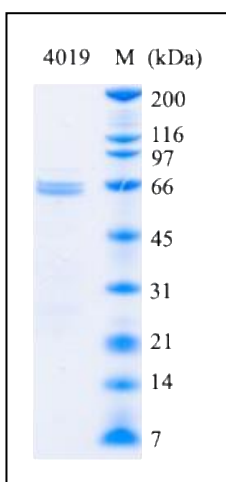


Recombinant GST-SP1 Protein

Catalog Number	Size
AG4019-10	10ug
AG4019-25	25ug
AG4019-B	Bulk

Description

The recombinant GST-SP1 (270-620) was expressed in E coli and purified by the combination of glutathione Sepharose affinity column and other conventional chromatographic methods. The resulted protein contains 615 amino acids with a GST tag at the N-terminus. It migrates in SDS-PAGE with an apparent molecular mass of 66kDa.



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MSPILGYWKI KGLVQPTRLL LEYLEEKYEE HLYERDEGDK WRNKKFELGL
EFPNLPYYID GDVKLTQSM A IIRYIADKHN MLGGCPKERA EISMLEGAVL
DIRYGVSRIA YSKDFETLKV DFLSKLPEML KMFEDRLCHK TYLNGDHVTH
PDFMLYDALD VVLYMDPMCL DAFPKLVCFK KRIEAIPOID KYLKSSKYIA
WPLQGWQATF GGGDHPPKSD LVPRGSPMGH MGSSPSLRSG SVGGAMSPSL
VPRGSPMNSV SAATLTPSSQ AVTISSSGSQ ESGSQPVTSG TTISSASLVS
SQASSSSFFT NANSYSTTTT TSNMGIMNFT TSGSSGTNSQ GQTPQRVSGL
QGSDALNIQQ NQTSGGSLQA GQQKEGEQNG QTQQQQILIQ PQLVQGGQAL
QALQAAPLSG QTFTTQAISQ ETLQNLQLQA VPNSGPPIIR TPTVGPNGQV
SWQTLQLQNL QVQNPQAQTI TLAPMQGVSL GQTSSSNTTL TPIASAA SIP
AGTVTVNAAQ LSSMPGLQTI NLSALGTSGI QVHPIQGLPL AIANAPGDHG
AQLGLHGAGG DGIHDDTAGG EEGENSPDAQ PQAGRRTRRE ACTCPYCKDS
EGRGSGDPRE FMVTD-

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Accession Number

NM_138473

Molecular Mass

Approximately 66kDa.

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 GST-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 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**)



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