



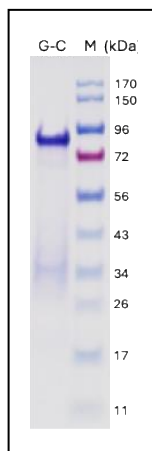
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Recombinant GST-CTD (E coli)

Catalog Number	Size
AG4016-10	10ug
AG4016-25	25ug
AG4016-B	Bulk

Description

The recombinant GST-CTD (the Carboxy Terminal Domain of RNA Polymerase II) was expressed in E coli and purified by the combination of glutathione Sepharose affinity column and other conventional chromatographic methods. The resulted protein contains 627 amino acids with a GST tag at the N-terminus. It migrates in SDS-PAGE with an apparent molecular mass of 80kDa.



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MSPILGYWKI KGLVQPTRLL LEYLEEKYEE HLYERDEGDK WRNKKFELGL
EFPNLPYYID GDVKLTQSM IIRYIADKHN MLGGCPKERA EISMLEGAVL
DIRYGVSRIA YSKDFETLKV DFLSKLPEML KMFEDRLCHK TYLNGDHVTH
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WPLQGQWQATF GGGDHPPKSD LVPRGSPMGH MGSSPSLRSG SVGGAMSPSY
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tysptspsvyt ptspkyspts ptysptspky sptsptyspt spkgstyspt
spgysptsp ysltspaisp ddsdeen
  
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Source

E coli

Molecular Mass

Approximately 80kDa.

Purity

≥90%, as determined by SDS-PAGE.

Biological Activity

The carboxy terminal domain (CTD) of the largest subunit of RNA polymerase II contains 52 heptapeptide repeats that is essential for the activity of RNA polymerase. Recombinant GST-CTD protein is suitable for the studies of CTD phosphorylation, protein-protein interaction 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!!!