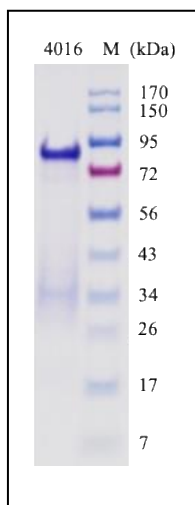


Recombinant GST-CTD Protein

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

Description

The recombinant GST-CTD 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 GDVKLTQSMA IIRYIADKHN MLGGCPKERA EISMLEGAVL
DIRYGVSRIA YSKDFETLKV DFLSKLPEML KMFEDRLCHK TYLNGDHVTH
PDFMLYDALD VVLYMDPMCL DAFPKLVCFK KRIEAIQID KYLKSSKYIA
WPLQGWQATF GGGDHPPKSD LVPRGSPMGH MGSSPSLRSG SVGGAMSPSY
SPTSPAYEPR SPGGYTPQSP SYSPTSPSYS PTSPSYSPTS PNYSPTSPSY
SPTSPSYSPT SPSYSPTSPS YSPTSPSYSP TSPSYSPTSP SYSPTSPSYS
PTSPSYSPTS PSYSPTSPSY SPTSPSYSPT SPSYSPTSPS YSPTSPSYSP
TSPNYSPTSP NYTPTSPSYS PTSPSYSPTS PNYTPTSPNY SPTSPSYSPT
SPSYSPTSPS YSPSSPRYTP QSPTYTPSSP SYSPSSPSYS PTSPKYTPTS
PSYSPSSPEY TPTSPKYSPT SPKYSPTSPK YSPTSPTYSP TTPKYSPTSP
TYSPTSPVYT PTSPKYSPTS PTYSPTSPKY SPTSPTYSP TSPKYSTYSPT
SPGYSPTSPT YSLTSPAISP DDSDEEN
  
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Accession Number

NM_000937

Molecular Mass

Approximately 80kDa.

Purity

≥90%, as determined by SDS-PAGE.

Biological Activity

The carboxy-terminal repeat domain (CTD) of the largest subunit of RNA pol II contains tandem repeats of a heptapeptide sequence (YSPTSPS) which is highly conserved among eukaryotic organisms. Recombinant GST-CTD protein can be used for the studies of target screening, protein-protein interactions and other related function assays.

Formulation

20mM Tris-Cl (pH7.9), 20% glycerol 100mM NaCl, 1mM DTT and 1mM EDTA.



www.ascentgene.com

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

Email: info@ascentgene.com

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!!!