

Recombinant GST-CTF1 Protein

Catalog Number	Size
AG4018-10	10ug
AG4018-25	25ug
AG4018-B	Bulk

Description

NA

The recombinant GST-CTF1 (399-499) was expressed in E coli and purified by the combination of glutathione Sepharose affinity column and other conventional chromatographic methods. The resulted protein contains 358 amino acids with a GST tag at the N-terminus. It migrates in SDS-PAGE with an apparent molecular mass of 40kDa.

```

MSPILGYWKI KGLVQPTRLL LEYLEEKYEE HLYERDEGDK WRNKKFELGL
EFPNLPYYID GDVKLTQSMA IIRYIADKHN MLGGCPKERA EISMLEGAVL
DIRYGVSRIA YSKDFETLKV DFLSKLPEML KMFEDRLCHK TYLNGDHVTH
PDFMLYDALD VVLYMDPMCL DAFPKLVCFK KRIEAIQID KYLKSSKYIA
WPLQGWQATF GGGDHPPKSD LVPRGSPMGH MGSSPSLRSG SVGGAMSPSL
VPRGSPMDLV SLACDPASQQ PGPLNGSGQL KMPSHCLSAQ MLAPPPPGLP
RLALPPATKP ATTSEGGATS PTSPSYSPPD TSPANRSFVG LGPRDPAGIY
QAQSWYLG-

```

Accession Number

NM_205843

Molecular Mass

Approximately 40kDa.

Purity

≥90%, as determined by SDS-PAGE.

Biological Activity

The CCAT box-binding protein 1 (CTF1) is a transcriptional activator that has a modular domain structure. The N-terminal DNA-binding domain is involved in DNA-protein interactions, while it's C-terminal domain has proven to be an especially potent transactivation domain. Recombinant GST-CTF1 protein can be used for the studies of transcription assays, 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)**

FOR RESEARCH USE ONLY!!!