

# Recombinant human MYCBP protein

Catalog Number: ATGP1226

## PRODUCT INFORMATION

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**Expression system**

E.coli

**Domain**

1-103aa

**UniProt No.**

Q99417

**NCBI Accession No.**

NP\_036465

**Alternative Names**

C-Myc-binding protein, AMY-1, FLJ41056

## PRODUCT SPECIFICATION

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**Molecular Weight**

14.1 kDa (123aa) confirmed by MALDI-TOF

**Concentration**

1mg/ml (determined by Bradford assay)

**Formulation**

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 20% glycerol, 0.1M NaCl, 1mM DTT

**Purity**

&gt; 95% by SDS-PAGE

**Tag**

His-Tag

**Application**

SDS-PAGE

**Storage Condition**

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

## BACKGROUND

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**Description**

MYCBP, also known as c-Myc binding protein, binds to the transactivation domain of c-Myc and stimulates the activation of E-box-dependent transcription. It translocates from the cytoplasm to the nucleus during S phase when increased expression of c-Myc occurs. It has also been shown to associate with AKAP 149 and AKAP 84 in mitochondria of somatic cells and sperm, which suggests a role for MYCBP in spermatogenesis. Recombinant human MYCBP protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography.

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## Amino acid Sequence

<MGSSHHHHH SSGLVPRGSH> MAHYKAADSK REQFRRYLEK SGVLDLTKV LVALYEEPEK PNSALDFLKHLGAATPENP EIELLRLELA EMKEYEAIV EENKCLKAKL AQYEPPQEEK RAE

## General References

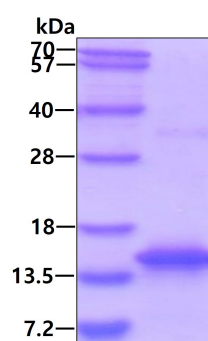
Furusawa M. et al. (2001) J. Biol. Chem. 276: 36647-36651.

Yukitake H. et al. (2002) J. Biol. Chem. 277: 45480-45492.

## DATA

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### SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.