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# **Recombinant human MYCBP protein**

Catalog Number: ATGP1226

#### **PRODUCT INFORMATION**

# **Expression system**

E.coli

#### **Domain**

1-103aa

#### UniProt No.

099417

#### **NCBI Accession No.**

NP 036465

#### **Alternative Names**

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

### **PRODUCT SPECIFICATION**

### **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**

> 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**

#### **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**

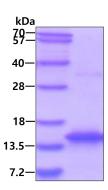
<MGSSHHHHHH SSGLVPRGSH> MAHYKAADSK REQFRRYLEK SGVLDTLTKV LVALYEEPEK PNSALDFLKH HLGAATPENP EIELLRLELA EMKEKYEAIV EENKKLKAKL AQYEPPQEEK RAE

### **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**

#### SDS-PAGE



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

