

MYCBP Human

Description: MYCBP Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 123 amino acids (1-103 a.a.) and having a molecular mass of 14.1kDa. MYCBP is fused to a 20 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

Catalog #: PRPS-949

For research use only.

Synonyms: C-Myc-binding protein, Associate of Myc 1, AMY-1, MYCBP, AMY1, FLJ41056.

Source: Escherichia Coli.

Physical Appearance: Sterile Filtered colorless solution.

Amino Acid Sequence: MGSSHHHHHH SSGLVPRGSH MAHYKAADSK REQFRRYLEK
SGVLDLTKV LVALYEEPEK PNSALDFLKH HLGAATPENP EIELLRLELA EMKEYEAIV
EENKCLKAKL AQYEPPQEEK RAE.

Purity: Greater than 95.0% as determined by SDS-PAGE.

Formulation:

MYCBP protein solution (1mg/ml) containing 20mM Tris-HCl buffer (pH8.0), 20% glycerol, 0.1M NaCl and 1mM DTT.

Stability:

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Usage:

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

Introduction:

MYCBP is a member of the AMY1 family. MYCBP (c-Myc binding protein) binds to the transactivation domain of c-Myc and stimulates the activation of E-box-dependent transcription. MYCBP translocates from the cytoplasm to the nucleus during S phase when increased expression of c-Myc occurs. MYCBP also associates with AKAP 149 and AKAP 84 in mitochondria of somatic cells and sperm, suggesting a role for MYCBP in spermatogenesis. MYCBP is highly expressed in the heart, placenta, pancreas, skeletal muscle and kidney. It is also present at low levels in the lung.

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