

Recombinant human YBX1 protein

Catalog Number: ATGP2859

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-324aa

UniProt No.

P67809

NCBI Accession No.

NP_004550.2

Alternative Names

Nuclease-sensitive element-binding protein 1, BP-8, CSDA2, CSDB, DBPB, MDR-NF1, NSEP-1, NSEP1, YB-1, YB1

PRODUCT SPECIFICATION

Molecular Weight

38.3 kDa (347aa) confirmed by MALDI-TOF (Molecular weight on SDS-PAGE will appear higher)

Concentration

0.5mg/ml (determined by Bradford assay)

Formulation

Liquid in. Phosphate-Buffered Saline (pH 7.4) containing 20% glycerol

Purity

> 85% 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

YBX1, also known as Y box binding protein 1, associates with the selenocysteine insertion sequence and functions in mammalian selenoprotein translation. This protein is a potential drug target in cancer therapy. It helps the replication of adenovirus type 5, a commonly used vector in gene therapy. Thus, YBX1 can cause an oncolytic effect in YBX1 positive cancer cells treated with adenoviruses. Recombinant human YBX1 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

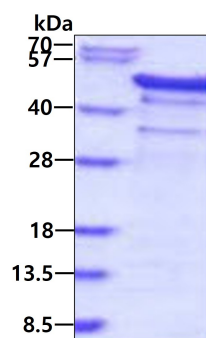
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PGGVPVQGSK YAADRNHYRR YPRRRGPPRN YQQNYQNSSES GEKNEGSESA PEGQAQRRP YRRRRFPPYY
MRRPYGRRPQ YSNPPVQGEV MEGADNQGAG EQGRPVRQNM YRGYRPRFRR GPPRQRQPRE DGNEEDKENQ
GDETQQQPP QRRYRRNFNY RRRRPENPKP QDGKETKAAD PPAENSSAPE AEQGGAE

General References

Shen Q. et al. (2006) J Cell Physiol. 207:775-783.
Chernukhin IV. et al. (2000) J Biol Chem. 275:29915-29921

DATA

SDS-PAGE



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