
Product Data Sheet

Product Name: YBX1 Human
 Cat. No.: GP25034
 Batch No.: 1

Product Data

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|---------------------|-------|--------------------|-------------------------|
| Purity | >98% | Source | Escherichia Coli. |
| Physical Appearance | solid | Shipping Condition | Shipped with Ice Packs. |

Synonyms Y Box Binding Protein; NSEP1;DBPB; YB1; CCAAT-Binding Transcription Factor I Subunit A; Nuclease Sensitive Element Binding Protein; Enhancer Factor I Subunit A; Y-Box Transcription Factor; Y-Box-Binding Protein; DNA-Binding P; BP-8; CSDA2; CSDB; DBPB; MDR-NF1; NSEP-1; NSEP1; YB-1; YB1; EFI-A; YB-1; Major Histocompatibility Complex Class II Y Box-Binding Protein I.

Amino Acid Sequence
 MGSSHHHHHH SSGLVPRGSH MGSMSSEAET QQPPAAPPAA PALSAADTKP
 GTTGSGAGSG GPGGLTSAAP AGGDKKVIAT KVLGTVKWFN VRNGYGFINR
 NDTKEDVVFH QTAIKKNNPR KYLRVVDGGE TVEFDVVEGE KGAEAAANVTG
 PGGVPVQGSK YAADRNHYRR YPRRRGPPRN YQQNYQNSSES GEKNEGSESA
 PEGQAQRRP YRRRRFPYY MRRPYGRRPQ YSNPPVQGEV MEGADNQGAG
 EQGRPVRQNM YRGYRPRFRR GPPRQRQPRE DGNEEDKENQ GDETQGQQP
 QRRYRRNFNY RRRRPENPKP QDGKETKAAD PPAENSSAPE AEQGGAE.

Formulation YBX1 protein solution (0.5mg/ml) containing Phosphate Buffered Saline (pH7.4) and 20% glycerol.

Introduction

Y Box Binding Protein 1 (YBX1) is a part of the CRD-mediated complex which promotes MYC mRNA stability. YBX1 takes part in mammalian selenoprotein translation and mediates pre-mRNA alternative splicing regulation. YBX1 uses as a drug target in cancer therapy due to its ability to replicate adenovirus type 5, a commonly used vector in gene therapy.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer

Caution: Product has not been fully validated for medical applications. For research use only.

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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.

Background

YBX1 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 347 amino acids (1-324a.a) and having a molecular mass of 38.3kDa (molecular size on SDS-PAGE will appear higher). YBX1 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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