

YBX1, 1-324aa, Human, His tag, E.coli

Cat.NO.: TP04519

3th Edition

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

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.

Form:Liquid. Phosphate Buffered Saline (pH7.4) containing 20% glycerol

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

Sequences:

MGSSHHHHHSSGLVPRGSHMGSMSSSEAEQPPAAPPAPALSAADTKPGTTGSGAGSGGPGGLTSAAPAGG
DKKVIATKVLGTVKWFNVRNGYGFNRNDTKEDVFVHQTAIKNNPRKYLRVGDGETVEFDVVEGEKGAEANVT
GPGGVPVQGSKYAADRNHYRRYPRRRGPPRNYQQNYQNSESGEKNEGSESAPEGQAQRRPYRRRRFPYYM
RRPYGRRPQYSNPPVQGEVMEGADNQGAGEQGRPVRQNMRYGYRPRFRRGPPRQRQPREDGNEEDKENQGD
ETQGQQPPQRRYRRNFYRRRRPENPKPQDGKETKAADPPAENSSAPEAEQGGAE

Purity:> 95% by HPLC

Concentration:0.5 mg/ml (determined by Bradford assay)

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.