



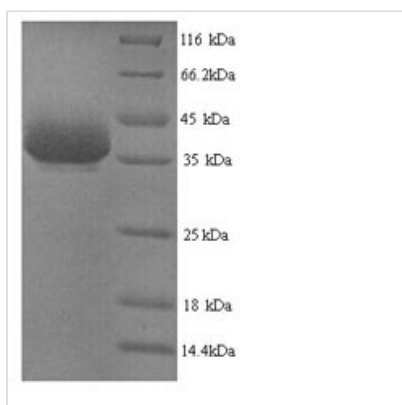
# Recombinant Mouse Nuclease-sensitive element-binding protein 1 (Ybx1)

<b>Product Code</b>	CSB-YP026247MO
<b>Relevance</b>	Mediates pre-mRNA alternative splicing regulation. Component of the CRD-mediated complex that promotes MYC mRNA stability. Binds to splice sites in pre-mRNA and regulates splice site selection. Binds and stabilizes Cytoplasmic domain mRNA. Contributes to the regulation of translation by modulating the interaction between the mRNA and eukaryotic initiation factors. Binds to promoters that contain a Y-box (5'-CTGATTGGCCAA-3'), such as HLA class II genes. Regulates the transcription of numerous genes. Promotes separation of DNA strands that contain mismatches or are modified by cisplatin. Has endonucleolytic activity and can introduce nicks or breaks into double-stranded DNA (in vitro). May play a role in DNA repair. Its transcriptional activity on the multidrug resistance gene MDR1 is enhanced in presence of the APEX1 acetylated form at 'Lys-6' and 'Lys-7'. Binds preferentially to 5'-[CU]CUGCG-3' motif in vitro .The secreted form acts as an Extracellular domain mitogen and stimulates cell migration and proliferation.
<b>Abbreviation</b>	Recombinant Mouse Ybx1 protein
<b>Storage</b>	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
<b>Uniprot No.</b>	P62960
<b>Alias</b>	CCAAT-binding transcription factor I subunit A ;CBF-ADNA-binding protein B ;DBPEnhancer factor I subunit A ;EFI-AY-box transcription factorY-box-binding protein 1 ;YB-1
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Mus musculus (Mouse)
<b>Purity</b>	Greater than 90% as determined by SDS-PAGE.
<b>Sequence</b>	SSEAETQQPPAAPAAALSAADTKPGSTGSGAGSGGGPGLTSAAPAGGDKKVI ATKVLGTVKWFNVRNGYGFINRNDTKEDVFVHQTAIKKNNPRKYLRVSGDGE TVEFDVVEGEKGAEEANVTGPGGVPVQGSKYAADRNHYRRYPRRRGPPRNY QQNYQNSESGEKNEGSESAPEGQAQRRPYRRRRFPPYYMRRPYARRPQY SNPPVQGEVMEGADNQGAGEQGRPVQRNMYRGYRPRFRRGPPRQRQPRE DGNEEDKENQGDETQGQQPPQRRYRRNFNYRRRRPENPKPQDGKETKAAD PPAENSSAPEAEQGGAE
<b>Research Area</b>	Others
<b>Source</b>	Yeast
<b>Target Names</b>	Ybx1
<b>Protein Names</b>	Recommended name: Nuclease-sensitive element-binding protein 1 Alternative



name(s): CCAAT-binding transcription factor I subunit A Short name= CBF-A  
DNA-binding protein B Short name= DBPB Enhancer factor I subunit A Short

<b>Expression Region</b>	2-322aa
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	N-terminal 6xHis-tagged
<b>Mol. Weight</b>	37.6kDa
<b>Protein Length</b>	Full Length of Mature Protein

**Image**


(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

**Reconstitution** We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

**Shelf Life** The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.