

Recombinant Mouse YBX1 Protein (2-322 aa), His-tagged

Cat. No. YBX1-1557M Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse YBX1 Protein (2-322 aa) is produced by Yeast expression system. This protein is fused with a 6xHis tag at the N-terminal. Protein Description: Full Length of Mature Protein.
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Species	Mouse
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Source	Yeast
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ProteinLength	2-322 aa
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Description	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.
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Form	Tris-based buffer, 50% glycerol
Molecular Mass	37.6 kDa
AA Sequence	SSEAETQQPPAAPAAALSAADTKPGSTGSGAGSGGPGGLTSAAPAGGDKKVIATKV LGTVKWFNVRNGYGFNRNDTKEDVFVHQTAIKKNNPRKYLRVGDGETVEFDVVE GEKGAEAAANTGPGGVPVQGSKYAADRNHYRRYPRRRGPPRNYQQNYQNSESG EKNEGSESAPEGQAQQRRPYRRRRFPYYMRRPYARRPQYSNPPVQGEVMEGAD NQGAGEQGRPVRQNMYRGYRPRFRRGPPRQRQRPREDGNEEDKENQGDDETQGG QPPQRRYRRNFNYRRRRPENPKPQDGKETKAADPPAENSSAPEAEQGGAE
Purity	> 90% as determined by SDS-PAGE.
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4 centigrade for up to one week.
Storage	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 centigrade/-80 centigrade. The shelf life of lyophilized form is 12 months at -20 centigrade/-80 centigrade.
Concentration	A hardcopy of COA with reconstitution instruction is sent along with the products.

GENE INFORMATION

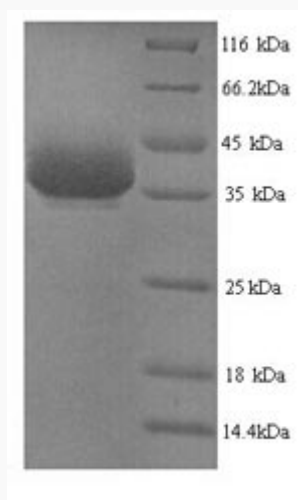
Gene Name	Ybx1 Y box protein 1 [<i>Mus musculus</i>]
Official Symbol	YBX1
Synonyms	YBX1; CBF-A; EFI-A; EF1A; MSY1; YB-1; dbpB; Nsep1; C79409; mYB-1a; 1700102N10Rik; MGC118070;

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Gene ID	22608
mRNA Refseq	NM_011732
Protein Refseq	NP_035862
UniProt ID	P62960



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

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