

Product datasheet for **TP504659**

Ybx1 (NM_011732) Mouse Recombinant Protein

Product data:

Product Type: Recombinant Proteins

Description: Purified recombinant protein of Mouse Y box protein 1 (Ybx1), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug

Species: Mouse

Expression Host: HEK293T

Expression cDNA >MR204659 representing NM_011732

Clone or AA **Red**=Cloning site **Green**=Tags(s)

Sequence:

MSSEAETQPPAAPAAALSAADTKPGSTGSGAGSGGPGGLTSAAPAGGDKKVIATKVLGTVKWFNVRNGY
GFINRNDTKEDVFVHQTAIKKNNPRKYLRSVGDGETVEFDVVEGEKGAEANVTGPGGVPVQGSKYAADR
NHYYRRPRRRGPPRNYQQNYQNSESGEKNEGSESAPEGQAQRRPYRRRRFPYYMRRPYARRPQYSNPP
VQGEVMEGADNQGAGEQGRPVQRNMYRGYRPRFRRGPPRQRQPREDGNEEDKENQGDETQGGQPPQRRYR
RNFNYRRRRPENPKPQDGKETKAADPPAENSSAPEAEQGGAE

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag: C-MYC/DDK

Predicted MW: 36.2 kDa

Concentration: >0.05 µg/µL as determined by microplate BCA method

Purity: > 80% as determined by SDS-PAGE and Coomassie blue staining

Buffer: 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol

Note: For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.

Storage: Store at -80°C after receiving vials.

Stability: Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.

RefSeq: [NP_035862](#)

Locus ID: 22608

UniProt ID: [P62960](#), [Q3UBT1](#)



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RefSeq Size: 2191

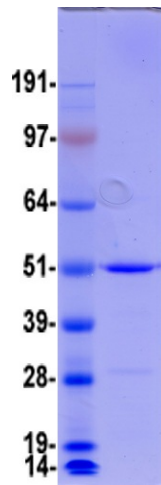
Cytogenetics: 4 D2.1

RefSeq ORF: 966

Synonyms: 1700102N10Rik; C79409; dbpB; EF1A; MSY1; mYB-1a; Nsep1; YB-1

Summary: 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 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 (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Coomassie blue staining of purified Ybx1 protein (Cat# TP504659). The protein was produced from HEK293T cells transfected with Ybx1 cDNA clone (Cat# [MR204659]) using MegaTran 2.0 (Cat# [TT210002]).