

Product datasheet for **TP309835M**

YB1 (YBX1) (NM_004559) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Homo sapiens Y box binding protein 1 (YBX1), 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC209835 protein sequence Red =Cloning site Green =Tags(s) MSSEAETQPPAAPPAAPALSAADTKPGTTGSGAGSGGPGGLTSAAPAGGDKKVIATKVLGTVKWFNVRN GYGFINRNDTKEDVVFVHQTAIKNNPRKYLRSVGDGETVEFDVVEGEKGAEANVTGPGGVPVQGSKYAA DRNHYRRYPRRRGPPRNYQQNYQNSESGEKNEGSESAPEGQAQRRPYRRRRFPPYYMRRPYGRRPQYSN PPVQGEVMEGADNQGAGEQGRPVQRNMYRGYRPRFRRGPPRQRQPREDGNEEDKENQGDDETQGGQPPQRR YRRNFNYRRRRPENPKPQDGKETKAADPPAENSSAPEAEQGGAE TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Predicted MW:	35.7 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
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
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.
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:	<u>NP_004550</u>
Locus ID:	4904



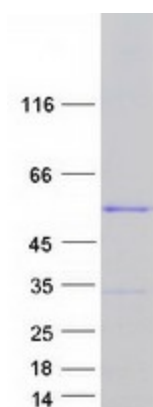
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UniProt ID: [P67809](#)
RefSeq Size: 1561
Cytogenetics: 1p34.2
RefSeq ORF: 972
Synonyms: BP-8; CBF-A; CSDA2; CSDB; DBPB; EFI-A; MDR-NF1; NSEP-1; NSEP1; YB-1; YB1

Summary: This gene encodes a highly conserved cold shock domain protein that has broad nucleic acid binding properties. The encoded protein functions as both a DNA and RNA binding protein and has been implicated in numerous cellular processes including regulation of transcription and translation, pre-mRNA splicing, DNA repair and mRNA packaging. This protein is also a component of messenger ribonucleoprotein (mRNP) complexes and may have a role in microRNA processing. This protein can be secreted through non-classical pathways and functions as an extracellular mitogen. Aberrant expression of the gene is associated with cancer proliferation in numerous tissues. This gene may be a prognostic marker for poor outcome and drug resistance in certain cancers. Alternate splicing results in multiple transcript variants. Pseudogenes of this gene are found on multiple chromosomes. [provided by RefSeq, Sep 2015]

Protein Families: ES Cell Differentiation/IPS, Transcription Factors

Product images:



Coomassie blue staining of purified YBX1 protein (Cat# [TP309835]). The protein was produced from HEK293T cells transfected with YBX1 cDNA clone (Cat# [RC209835]) using MegaTran 2.0 (Cat# [TT210002]).