

Product datasheet for PH309835

YB1 (YBX1) (NM_004559) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	YBX1 MS Standard C13 and N15-labeled recombinant protein (NP_004550)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC209835
Predicted MW:	35.9 kDa
Protein Sequence:	>RC209835 protein sequence Red=Cloning site Green=Tags(s) MSSEAETQPPAAPPAAPALSAADTKPGTTGSGAGSGGPGGLTSAAPAGGDKKVIATKVLGTVKWFNVRN GYGFINRNDTKEDVFVHQTAIKKNPRKYLRSVGDGETVEFDVVEGEKGAEAAANVTGPGGVPVQGSKYAA DRNHYRRYPRRRGPPRNYQQNYQNSESGEKNESSESAPEGQAQRRPYRRRRFPYMRPYGRRPQYSN PPVQGEVMEGADNQGAGEQGRPVRQNMRYRPRFRRGPPRQRQPREDGNEEDKENQGDDETQGGQPPQRR YRRNFYRRRRPENPKPQDGKETKAADPPAENSSAPEAEQGGAE TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_004550
RefSeq Size:	1561
RefSeq ORF:	972
Synonyms:	BP-8; CBF-A; CSDA2; CSDB; DBPB; EFI-A; MDR-NF1; NSEP-1; NSEP1; YB-1; YB1
Locus ID:	4904



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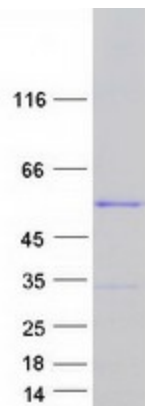
UniProt ID: [P67809](#)

Cytogenetics: 1p34.2

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 reparation 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]).