

## Product datasheet for **AR51679PU-S**

### YBX1 (1-324, His-tag) Human Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	YBX1 (1-324, His-tag) human recombinant protein, 0.1 mg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	MGSSHHHHHH SSGLVPRGSH MGSMSSEAET QPPAAPPAA PALSAADTKP GTTGSGAGSG GPGGLTSAAP AGGDKKVIAT KVLGTVKWFN VRNGYGFNR NDTKEDVFVH QTAIKKNNPR KYLRVGDGE TVEFDVEGE KGAEANVTG PGGVPVQGSK YAADRNYRR YPRRRGPPRN YQQNYQNSSES GEKNEGSESA PEGQAQRRP YRRRRFPPYY MRRPYGRRPQ YSNPPVQGEV MEGADNQGAG EQGRPVRQNM YRGYRPRFRR GPPRQRQPRE DGNEEDKENQ GDETQQQPP QRRYRRNFNY RRRRPENPKP QDGKETKAAD PPAENSSAPE AEQGGAE
Tag:	His-tag
Predicted MW:	38.3 kDa
Concentration:	lot specific
Purity:	>85% by SDS - PAGE
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: Phosphate Buffered Saline (pH 7.4) containing 20% glycerol
Preparation:	Liquid purified protein
Protein Description:	Recombinant human YBX1 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography.
Storage:	Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
RefSeq:	<a href="#">NP_004550</a>
Locus ID:	4904
UniProt ID:	<a href="#">P67809</a>
Cytogenetics:	1p34.2
Synonyms:	BP-8; CBF-A; CSDA2; CSDB; DBPB; EFI-A; MDR-NF1; NSEP-1; NSEP1; YB-1; YB1



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**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:**