

## **Product datasheet for AR51679PU-N**

## 9620 Medical Center Drive, Ste 200 Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com

CN: techsupport@origene.cn

OriGene Technologies, Inc.

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

**Product data:** 

**Product Type:** Recombinant Proteins

**Description:** YBX1 (1-324, His-tag) human recombinant protein, 0.5 mg

Species: Human
Expression Host: E. coli

**Expression cDNA Clone** 

or AA Sequence:

MGSSHHHHHH SSGLVPRGSH MGSMSSEAET QQPPAAPPAA PALSAADTKP GTTGSGAGSG GPGGLTSAAP AGGDKKVIAT KVLGTVKWFN VRNGYGFINR NDTKEDVFVH QTAIKKNNPR

KYLRSVGDGE TVEFDVVEGE KGAEAANVTG PGGVPVQGSK YAADRNHYRR YPRRRGPPRN YQQNYQNSES GEKNEGSESA PEGQAQQRRP YRRRRFPPYY MRRPYGRRPQ YSNPPVQGEV MEGADNQGAG EQGRPVRQNM YRGYRPRFRR GPPRQRQPRE DGNEEDKENQ GDETQGQQPP

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:** NP 004550

 Locus ID:
 4904

 UniProt ID:
 P67809

 Cytogenetics:
 1p34.2

Synonyms: BP-8; CBF-A; CSDA2; CSDB; DBPB; EFI-A; MDR-NF1; NSEP-1; NSEP-1; YB-1; YB-1





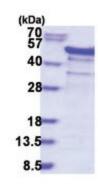
**Summary:** 

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:**



15% SDS-PAGE (3ug)