

Datasheet for ABIN2115463

## YY1 Protein (AA 221-321) (His tag)



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### Overview

Quantity:	50 µg
Target:	YY1
Protein Characteristics:	AA 221-321
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This YY1 protein is labelled with His tag.

### Product Details

Purpose:	Recombinant Human Transcriptional Repressor Protein YY1 (C-6His)
Sequence:	MVTMWSSDEK KDIDHETVVE EQIIGENSPP DYSEYMTGKK LPPGGIPGID LSDPKQLAEF ARMKPRKIKE DDAPRTIACP HKGCTKMFRD NSAMRKHLHT HGLEHHHHHHH
Characteristics:	Recombinant Human Transcriptional repressor protein YY1 is produced with our E. coli expression system. The target protein is expressed with sequence (Val221-Gly321) of Human YY1 fused with a 6His tag at the C-terminus..
Purity:	> 95 % as determined by reducing SDS-PAGE.
Sterility:	0.2 µm filtered
Endotoxin Level:	Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test

### Target Details

Target:	YY1
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## Target Details

Alternative Name: YY1 ([YY1 Products](#))

**Background:** Transcriptional repressor protein YY1(YY1)contains 4 C2H2-type zinc fingers and belongs to the YY transcription factor family. Multifunctional transcription factor exhibits positive and negative control on a large number of cellular and viral genes by binding to sites overlapping the transcription start site. The effect on transcription regulation of the protein is depending upon the context in which it binds and diverse mechanisms of action include direct activation or repression, indirect activation or repression via cofactor recruitment, or activation or repression by disruption of binding sites or conformational DNA changes. Its activity is regulated by transcription factors and cytoplasmic proteins that have been shown to abrogate or completely inhibit YY1-mediated activation or repression.

Synonyms: Transcriptional repressor protein YY1,Delta transcription factor,INO80 complex subunit S,NF-E1,Yin and yang 1,INO80S

Molecular Weight: 12.6 kDa

UniProt: [P25490](#)

## Application Details

Restrictions: For Research Use only

## Handling

Format: Lyophilized

**Reconstitution:** It is not recommended to reconstitute to a concentration less than 100 µg/mL.  
Dissolve the lyophilized protein in ddH2O.  
Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

**Buffer:** Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4.

**Handling Advice:** Always centrifuge tubes before opening. Do not mix by vortex or pipetting.

**Storage:** 4 °C/-20 °C/-80 °C

**Storage Comment:** Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks.  
Reconstituted protein solution can be stored at 4-7°C for 2-7 days.  
Aliquots of reconstituted samples are stable at < -20°C for 3 months.