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## Recombinant human YY1 protein

Catalog Number: ATGP2855

## **PRODUCT INFORMATION**

## **Expression system**

E.coli

#### **Domain**

1-414aa

#### **UniProt No.**

P25490

#### **NCBI Accession No.**

NP 003394.1

#### **Alternative Names**

YY1 transcription factor, DELTA, INO80S, NF-E1, uCRBP, YIN-YANG-1, YIN YANG 1

### **PRODUCT SPECIFICATION**

### **Molecular Weight**

47.1 kDa (437aa) confirmed by MALDI-TOF (Molecular weight on SDS-PAGE will appear higher)

#### Concentration

0.25mg/ml (determined by Bradford assay)

#### **Formulation**

Liquid in. Phosphate-Buffered Saline (pH 7.4) containing 20% glycerol, 1mM DTT

#### **Purity**

> 80% by SDS-PAGE

#### Tag

His-Tag

## **Application**

SDS-PAGE

## **Storage Condition**

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

#### **BACKGROUND**

#### **Description**

YY1 is a ubiquitously distributed transcription factor belonging to the GLI-Kruppel class of zinc finger proteins. This protein is involved in repressing and activating a diverse number of promoters. YY1 may direct histone deacetylases and histone acetyltransferases to a promoter in order to activate or repress the promoter, thus implicating histone modification in the function of YY1. Recombinant human YY1 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.



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## **Amino acid Sequence**

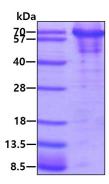
<MGSSHHHHHH SSGLVPRGSH MGS>MASGDTL YIATDGSEMP AEIVELHEIE VETIPVETIE TTVVGEEEEE
DDDDEDGGGG DHGGGGGHGH AGHHHHHHHH HHHPPMIALQ PLVTDDPTQV HHHQEVILVQ TREEVVGGDD
SDGLRAEDGF EDQILIPVPA PAGGDDDYIE QTLVTVAAAG KSGGGGSSSS GGGRVKKGGG KKSGKKSYLS GGAGAAGGGG
ADPGNKKWEQ KQVQIKTLEG EFSVTMWSSD EKKDIDHETV VEEQIIGENS PPDYSEYMTG KKLPPGGIPG IDLSDPKQLA
EFARMKPRKI KEDDAPRTIA CPHKGCTKMF RDNSAMRKHL HTHGPRVHVC AECGKAFVES SKLKRHQLVH TGEKPFQCTF
EGCGKRFSLD FNLRTHVRIH TGDRPYVCPF DGCNKKFAQS TNLKSHILTH AKAKNNQ

#### **General References**

Cai Y., et al (2007) Nat. Struct. Mol. Biol. 14:872-874 Wu S., et al (2007) Nat. Struct. Mol. Biol. 14:1165-1172

## **DATA**

#### **SDS-PAGE**



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

