

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

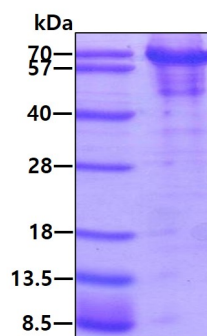
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 SDGLRAEDGF EDQILIPVA PAGGDDDYIE QTLVTAAAG KSGGGGSSSS GGGRVKKGGG KKS GKKSYS GGAGAAGGGG
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 EFARMKPRKI KEDDAPRTIA CPHKGCTKMF RDNSAMRKHL HTHGPRVHVC AECGKAFVES SKLKRHQLVH TGEKPFQCTF
 ECGKRFSLD FNLRTHVRIH 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.