

**YY1, 1-414aa, Human, His tag, E.coli**

**Cat.NO.: TP04526**

3th Edition

**Synonyms:**YY1 transcription factor, DELTA, INO80S, NF-E1, UCRBP, YIN-YANG-1, YIN YANG 1

**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.

**Form:**Liquid. In PBS,20% glycerol, 1mM DTT

**Molecular Weight:**47.1kDa (437aa) confirmed by MALDI-TOF (Molecular size on SDS-PAGE will appear higher)

**Sequences:**

MGSSHHHHHSSGLVPRGSHMGSMASGDTLYIATDGSEMPAEIVELHEIEVETIPVETIETTIVGEEEEEDDDDED  
GGGGDHGGGGGHGAGHHHHHHHHHHHPPMIALQPLVTDPTQVHHHQEVILVQTREEVVGDDSDGLRAEDG  
FEDQILIPVPAPAGDDDDYIEQTLVTVAAGKSGGGSSSSGGGRVKKGGGKSGKKSYSLSGGAGAAGGGGADP  
GNKKWEQKQVQIKTLEGEFSVTMWSSDEKKDIDHETVVEEQIIGENSPDYSEYMTGKKLPPGGIPGIDLSDPKQLA  
EFARMKPRKIKEDDAPRTIACPHKGCTKMFRDNSAMRKHHLHGHPRVHVCAECGKAFVLESSKLKRHQLVHTGEKP  
FQCTFEGCGKRFSLDFNLRTHVRIHTGDRPYVCPFDGCKKFAQSTNLKSHILTHAKAKNNQ

**Purity:**> 95% by HPLC

**Concentration:**0.25 mg/ml (determined by Bradford assay)

**Endotoxin Level:**<1.0 EU per 1 ug of protein (determined by LAL method)

**Storage:**Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.