

Recombinant Human YY1 transcription factor, His-tagged

Cat. No. YY1-632H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	YY1, 1-414aa, Human, His tag, E.coli
Species	Human
Source	E.coli
ProteinLength	1-414 a.a.
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 Mass	47.1kDa (437aa) confirmed by MALDI-TOF(Molecular size on SDS-PAGE will appear higher)
AA Sequence	MGSSHHHHHH SGLVPRGSH MGSMASGDTL YIATDGSEMP AEIVELHEIE VETIPVETIE TTVVGEEEEEE DDDDEDGGGG DHGGGGGGHGH AGHHHHHHHHH HHHPPMIALQ PLVTDDPTQV HHHQEVLVQ TREEVVGDD SDGLRAEDGF EDQILIPVPA PAGGDDDYIE QTLVTVAAAG KSGGGGSSSS GGGRVKKGGG

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

KKSGKKSYLS GGAGAAGGGG ADPGNKKWEQ KQVQIKTLEG EFSVTMWSSD
 EKKDIDHETV VEEQIIGENS PPDYSEYMTG KKLPPGGIPG IDLSDPKQLA
 EFARMKPRKI KEDDAPRTIA CPHKGCTKMF RDNSAMRKHL HTHGPRVHVC
 AECGKAFVES SKLKRHQLVH TGEKPFQCTF EGCGKRFSLD FNLRTHVRIH
 TGDRPYVCPF DGCNKKFAQS TNLKSHILTH AKAKNNQ

Purity >80% by SDS - PAGE

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

Concentration 0.25 mg/ml (determined by Bradford assay)

GENE INFORMATION

Gene Name YY1 YY1 transcription factor [Homo sapiens]

Official Symbol YY1

Synonyms YY1; YY1 transcription factor; transcriptional repressor protein YY1; DELTA; INO80 complex subunit S; INO80S; NF E1; UCRBP; Yin and Yang 1 protein; YIN YANG 1; YY-1; delta transcription factor; NF-E1; YIN-YANG-1;

Gene ID 7528

mRNA Refseq NM_003403

Protein Refseq NP_003394

MIM 600013

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UniProt ID	P25490
Chromosome Location	14q
Pathway	Delta-Notch Signaling Pathway, organism-specific biosystem; E2F transcription factor network, organism-specific biosystem; Notch signaling pathway, organism-specific biosystem; Notch-mediated HES/HEY network, organism-specific biosystem; Signaling events mediated by HDAC Class I, organism-specific biosystem; mTOR signaling pathway, organism-specific biosystem; p53 pathway, organism-specific biosystem;
Function	DNA binding; RNA binding; four-way junction DNA binding; metal ion binding; protein binding; sequence-specific DNA binding transcription factor activity; transcription coactivator activity; transcription corepressor activity; transcription regulatory regi

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