

Recombinant Human YY1, His-tagged

Cat. No. YY1-16H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human YY1 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
Species	Human
Source	E.coli
ProteinLength	1-414aa
Description	YY1 is a ubiquitously distributed transcription factor belonging to the GLI-Kruppel class of zinc finger proteins. The 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.
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 SSGLVPRGSH MGSMASGDTL YIATDGSEMP AEIVELHEIE VETIPVETIE TTVVGEEEE DDDDEDGGGG DHGGGGGGHGH AGHHHHHHHH HHHPPMIALQ PLVTDDPTQV HHHQEVLVQ TREEVVGDD SDGLRAEDGF EDQILIPVPA PAGGDDDYIE QTLVTVAAAG KSGGGGSSSS GGGRVKKGGG KKSGKKSYLS GGAGAAGGGG ADPGNKKWEQ KQVQIKTLEG EFSVTMWSSD

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EKKDIDHETV VEEQIIGENS PPDYSEYMTG KKLPPGGIPG IDLSDPKQLA
 EFARMKPRKI KEDDAPRTIA CPHKGCTKMF RDNSAMRKHL HTHGPRVHVC
 AECGKAFVES SKLKRHQLVH TGEKPFQCTF EGCGKRFSLD FNLRTHVRIH
 TGDRPYVCPF DGCNKKFAQS TNLKSHILTH AKAKNNQ

Purity	> 80% by SDS - PAGE
Applications	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 (human)]
Official Symbol	YY1
Synonyms	YY1; DELTA; NF-E1; UCRBP; INO80S; YIN-YANG-1; YY1 transcription factor; transcriptional repressor protein YY1; YY-1; Yin and Yang 1 protein; INO80 complex subunit S; delta transcription factor
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; E2F transcription factor network; Notch signaling pathway
Function	DNA binding; RNA binding; RNA polymerase II core promoter proximal region sequence-specific DNA binding transcription factor activity involved in negative regulation of transcription

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