

Recombinant Full Length Human YY1 Protein, N-Flag-tagged

Cat. No. YY1-12HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Recombinant Full Length Human YY1 Protein, fused to Flag-tag at N-terminus, was expressed in Baculovirus.

Species

Human

Source

Insect cells

Description

YY1 (YY1 Transcription Factor, also known as INO80S) is a ubiquitously distributed transcription factor belonging to the GLI-Kruppel class of zinc finger proteins. YY1 transcription factor, repressor/activator (Yin Yang) protein, is a multifunctional transcription factor that exhibits positive and negative control on a large number of cellular and viral genes by binding to sites overlapping the transcription start site. It binds to the consensus sequence 5'-CCGCCATNTT-3'; some genes have been shown to contain a longer binding motif allowing enhanced binding; the initial CG dinucleotide can be methylated greatly reducing the binding affinity. The effect on transcription regulation is depending upon the context in which it binds and diverse mechanisms of action include direct activation or repression, indirect activation or repression via cofactor recruitment, or activation or repression by disruption of binding sites or conformational DNA changes. Its activity is regulated by transcription factors and cytoplasmic proteins that have been shown to abrogate or completely inhibit YY1-mediated activation or repression. For example, it acts as a repressor in absence of adenovirus E1A protein but as an activator in its presence. YY1 is also involved in DNA repair. In vitro, it binds to DNA recombination intermediate structures (Holliday junctions).

 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

Form	Recombinant YY1 protein is supplied at a concentration of 0.3ug/ul in 25 mM HEPES pH7.5, 300 mM NaCl, 10% glycerol, 0.04% Triton X-100 and 0.5 mM TCEP.
Molecular Mass	46 kDa
Purity	>85%
Applications	This protein is suitable for use in protein-protein interaction, in vitro transcription assay, binding assay.
Notes	This product is for research use only and is not for use in diagnostic procedures.
Storage	Recombinant proteins in solution are temperature sensitive and must be stored at -80 centigrade to prevent degradation. Avoid repeated freeze/thaw cycles and keep on ice when not in storage.
Concentration	0.35 µg/µl
Use/Stability	This product is guaranteed for 6 months from date of arrival.
Full Length	Full L.

GENE INFORMATION

Gene Name	YY1 YY1 transcription factor [Homo sapiens (human)]
Official Symbol	YY1
Synonyms	DELTA; NF-E1; UCRBP; GADEV5; INO80S; YIN-YANG-1; YY1 transcription factor; YY1

 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

Gene ID	7528
mRNA Refseq	NM_003403.5
Protein Refseq	NP_003394.1
MIM	600013
UniProt ID	P25490

 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