Recombinant Human YY1
Catalog No: CH59

Description	Recombinant Human Yin and Yang 1 protein/Transcriptional repressor protein YY1 is produced by our E.coli expression system and the target gene encoding Val221-Gly321 is expressed with a 6His tag at the C-terminus.
Source	E. coli
Alternative name	Transcriptional repressor protein YY1;Delta transcription factor;INO80 complex subunit S;NF- E1;Yin and yang 1;INO80S
Accession No.	P25490
Formulation	Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4.
Quality Control	Purity: Greater than 90% as determined by reducing SDS-PAGE. Endotoxin: Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature listed below.
Storage	Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
Amino Acid Sequence	MVTMWSSDEKKDIDHETVVEEQIIGENSPPDYSEYMTGKKLPPGGIPGIDLSDPKQLAEFARMKPRKIKE DDAPRTIACPHKGC TKMFRDNSAMRKHLHTHGLEHHHHHH
Background	Transcriptional repressor protein YY1 （YY1） contains 4 C2H2-type zinc fingers and belongs to the YY transcription factor family. Multifunctional transcription factor exhibits positive and negative control on a large number of cellular and viral genes by binding to sites overlapping the transcription start site. The effect on transcription regulation of the protein 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.

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