



Recombinant Protein Technical Manual

Recombinant Human YY1 Protein (His Tag)

RPES1210

Product Data:

Product SKU: RPES1210

Size: 10µg

Species: Human

Expression host: E. coli

Uniprot: P25490

Protein Information:

Molecular Mass: 12.6 kDa

AP Molecular Mass: 17 kDa

Tag: C-6His

Bio-activity:

Purity: > 95 % as determined by reducing SDS-PAGE.

Endotoxin: < 1.0 EU per µg as determined by the LAL method.

Storage: Lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.

Shipping: This product is provided as lyophilized powder which is shipped with ice packs.

Formulation: Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4.

Reconstitution: Please refer to the printed manual for detailed information.

Application:

Synonyms: Transcriptional repressor protein YY1;Delta transcription factor;INO80 complex subunit S;NF-E1;Yin and yang 1;INO80S

Immunogen Information:

Sequence: Val221-Gly321

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.