

YY1 recombinant protein

Recombinant YY1 protein

CATALOG # AAA60145	HOST Baculovirus
------------------------------	----------------------------

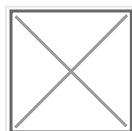
PRODUCT SYNONYMS

YY1; Recombinant YY1 protein; DELTA; NF-E1; UCRBP; INO80S; YIN-YANG-1; YY1 recombinant protein

PRODUCT SPECIFICATIONS

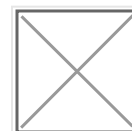
Host	Baculovirus
Form/Format	Recombinant YY1 protein is supplied at a concentration of 0.3ug/ul in 25mM HEPES pH7.5, 300mM NaCl, 10% glycerol, 0.04% Triton X-100 and 0.5mM TCEP.
Protein Species	Human
Tag	DYKDDDDK-Tag
Notes	This protein is suitable for use in protein-protein interaction, in vitro transcription assay, binding assay. Binding Assay Condition: 1uM oligo ds DNA (DNA sequence 5'-GCGCCGCCATCTTCAT-3') was incubated with different concentrations of YY1 protein in binding system for 1 hour, then DYKDDDDK antibody and SA-XL665 mixture was added to each reaction system and incubated for 30 min. All the operations and reactions were performed at room temperature. HTRF assay was used for detection.
Dry Ice Note	The product may be shipped with dry ice, and an additional fee may be added to your shipping cost.
Preparation and Storage	Recombinant proteins in solution are temperature sensitive and must be stored at -80 degree C to prevent degradation. Avoid repeated freeze/thaw cycles and keep on ice when not in storage. Shipping Temp: Dry Ice

IMAGES



Application Data

HTRF assay for YY1 activity 1 uM oligo dsDNA was incubated with different concentrations of YY1 protein in for 1 hr, then DYKDDDDK antibody and SA-XL665 mixture was added to each reaction system and incubated for 30 min. HTRF assay was used for detection.



SDS-PAGE

Recombinant YY1 protein gel 7.5% SDS-PAGE Coomassie staining MW: 46 kDa Purity: >85%

ADDITIONAL INFORMATION

Related Product Information for YY1 recombinant protein	Short Description: Recombinant human YY1 protein was expressed in a baculovirus expression system as the full-length protein (accession number NP_003394.1) with an N-terminal DYKDDDDK tag. The molecular weight of the protein is 46 kDa. It is suitable for use in protein-protein interaction studies, in vitro transcription assays and binding assays. Background: 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).
Product Categories/Family for YY1 recombinant protein	Recombinant Proteins; Transcription

NCBI AND UNIPROT INFORMATION

NCBI GI #	459683878
NCBI GeneID	7528
NCBI Accession #	NP_003394.1
NCBI GenBank Nucleotide #	NM_003403
Molecular Weight	44,713 Da
NCBI Official Full Name	Homo sapiens YY1 transcription factor (YY1), mRNA
NCBI Official Synonym Full Names	YY1 transcription factor
NCBI Official Symbol	YY1
NCBI Official Synonym Symbols	DELTA; NF-E1; UCRBP; INO80S; YIN-YANG-1
NCBI Protein Information	transcriptional repressor protein YY1; INO80 complex subunit S; YY-1; Yin and Yang 1 protein; delta transcription factor

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/yy1-recombinant-protein-baculovirus/60145>