

Product information



DR1, 1-176aa

Human, His-tagged, Recombinant, *E.coli*

Cat. No. IBATGP0669

Full name: Down-regulator of transcription 1, TBP-binding

NCBI Accession No.: NP_001929

Synonyms: NC2, NC2-BETA

Description: DR1, also known as NC2-beta, is a TBP (TATA box-binding protein) associated phosphoprotein that represses both basal and activated levels of transcription. The protein is phosphorylated in vivo and this phosphorylation affects its interaction with TBP. This protein contains a histone fold motif at the amino terminus, a TBP-binding domain, and a glutamine- and alanine-rich region. By selectively repressing polymerases II and III, DR1 may shift the physiological balance of transcriptional output in favor of polymerase I. Recombinant human DR1 protein, fused to His-tag at N-terminus, was expressed in *E.coli* and purified by using conventional chromatography.

<p>Form: Liquid. In 20 mM Tris-HCl Buffer (pH 8.0)</p> <p>containing 100 mM NaCl, 0.1 mM PMSF ,10% Glycerol</p> <p>Molecular Weight: 21.6 kDa(196aa), confirmed by MALDI-TOF</p> <p>Purity: > 85% by SDS - PAGE</p> <p>Concentration: 0.5 mg/ml (determined by Bradford assay)</p>	<p>(kDa) 57 40 28 18 13.5</p> <p>15% SDS-PAGE (3ug)</p>
<p>Sequences of amino acids:</p> <p><u>MGSSHHHHH</u> <u>SSGLVPRGSH</u> MASSSGNDDD LTIPRAAINK MIKETLPNVR VANDARELVV NCCTEFIHLI SSEANEICNK SEKKTISPEH VIQALESLGF GSYISEVKEV LQECKTVALK RRKASSRLEN LGIPEEELLR QQQELFAKAR QQQAELAQQE WLQMQAAQQ AQLAAASASA SNQAGSSQDE EDDDDI</p>	

General references:

White R.J., *et al.* (2010) *Nucleic Acids Res.* 38(4):1228-39.

WARNING: THIS PRODUCT IS NOT INTENDED OR APPROVED FOR HUMAN, DIAGNOSTICS OR VETERINARY USE. USE OF THIS PRODUCT FOR HUMAN OR ANIMAL TESTING IS EXTREMELY HAZARDOUS AND MAY RESULT IN DISEASE, SEVERE INJURY, OR DEATH.

Product information



Collart MA., *et al.* (2008) *Nucleic Acids Res.* 36(2):539-49.

Storage: Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C.
Avoid repeated freezing and thawing cycles.

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