

AR09607PU-L**Human DR1 / NC2-beta (1-176, His-tag) - Purified**

Alternate names:	Down-regulator of transcription 1, Negative cofactor 2-beta, TATA-binding protein-associated phosphoprotein
Quantity:	0.5 mg
Concentration:	0.5 mg/ml (determined by Bradford assay)
Background:	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.
Uniprot ID:	Q01658
NCBI:	NP_001929
GeneID:	1810
Species:	Human
Source:	E. coli
Format:	State: Liquid purified protein Purity: >85% by SDS-PAGE Buffer System: 20 mM Tris-HCl Buffer (pH 8.0) containing 100 mM NaCl, 0.1 mM PMSF, 10% Glycerol
Description:	Recombinant human DR1 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography. AA Sequence: MGSSHHHHHH SSGLVPRGSH MASSSGNDDD LTIPRAAINK MIKETLPNVR VANDARELVV NCCTEFIHLI SSEANEICNK SEKKTISPEH VIQALES LGF GSYISEVKEV LQECKTVALK RRKASSRLEN LGIPEEELLR QQQELFAKAR QQQAELAQQE WLQMQAAQQ AQLAAASASA SNQAGSSQDE EDDDDI Molecular weight: 21.6 kDa (196aa), confirmed by MALDI-TOF
Storage:	Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C or -70°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
General Readings:	White RJ., et al. (2010) Nucleic Acids Res. 38(4):1228-39. Collart MA., et al. (2008) Nucleic Acids Res. 36(2):539-49.

Pictures:

Recombinant human DR1, 1-176aa, His-tagged

