

Recombinant Human DR1, His-tagged

Cat. No. DR1-2777H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human DR1 protein, fused to His-tag at N-terminus, was expressed in <i>E.coli</i> and purified by using conventional chromatography. MW = 21.6 kDa(196aa).
Species	Human
Source	E.coli
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.
Form	Liquid. In 20 mM Tris-HCl Buffer (pH 8.0) containing 100 mM NaCl, 0.1 mM PMSF, 10% Glycerol.
Purity	> 85% by SDS - PAGE.
Concentration	0.5 mg/ml (determined by Bradford assay).
Sequences Of Amino Acids	MGSSHHHHHH SSGLVPRGSH MASSSGNDDD LTIPRAAINK MIKETLPNVR VAND ARELVV NCCTEFIHLL SSEANEICNK SEKKTISPEHVIQALESLGF GSYISEVKEV LQE CKTVALK RRKASSRLEN LGIPEEELLR QQQELFAKAR QQQAELAQQE WL

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QMQQAAQQ AQLAAASASA SNQAGSSQDE EDDDDI.

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.

GENE INFORMATION

Gene Name

DR1 down-regulator of transcription 1, TBP-binding (negative cofactor 2) [Homo sapiens]

Synonyms

DR1; down-regulator of transcription 1, TBP-binding (negative cofactor 2); NC2; NC2-BETA; down-regulator of transcription 1; OTTHUMP00000012557; Protein Dr1; TATA-binding protein-associated phosphoprotein; Negative cofactor 2-beta; NC2-beta

Gene ID

1810

mRNA Refseq

NM_001938

Protein Refseq

NP_001929

MIM

601482

UniProt ID

Q01658

Chromosome Location

1p22.1

Function

sequence-specific DNA binding; transcription corepressor activity; transcription factor binding

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