

Recombinant Human DR1

Cat. No. DR1-28440TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human DR1; amino acids 1-176, 19kDa.
Species	Human
Source	E.coli
ProteinLength	1-176 a.a.
Description	This gene encodes a TBP- (TATA box-binding protein) associated phosphoprotein that represses both basal and activated levels of transcription. The encoded 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. The binding of DR1 repressor complexes to TBP-promoter complexes may establish a mechanism in which an altered DNA conformation, together with the formation of higher order complexes, inhibits the assembly of the preinitiation complex and controls the rate of RNA polymerase II transcription.
Biological activity	1 unit equals 1 nanogram of purified protein.
Form	Liquid
Purity	>95% by SDS-PAGE
Storage buffer	Preservative: None Constituents: 20% Glycerol, 20mM Tris HCl, 100mM Potassium

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	chloride, 1mM DTT, 0.2mM EDTA, pH 8.0
Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
Full Length	Full L.
GENE INFORMATION	
Gene Name	DR1 down-regulator of transcription 1, TBP-binding (negative cofactor 2) [Homo sapiens]
Official Symbol	DR1
Synonyms	DR1; down-regulator of transcription 1, TBP-binding (negative cofactor 2); protein Dr1; NC2; NC2 BETA;
Gene ID	1810
mRNA Refseq	NM_001938
Protein Refseq	NP_001929
MIM	601482
Uniprot ID	Q01658
Chromosome Location	1p22.1
Function	DNA binding; TBP-class protein binding; protein binding; sequence-specific DNA binding; transcription corepressor activity;

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