

## **Product datasheet for TP305733M**

## OriGene Technologies, Inc.

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## DR1 (NM\_001938) Human Recombinant Protein

**Product data:** 

**Product Type:** Recombinant Proteins

**Description:** Recombinant protein of human down-regulator of transcription 1, TBP-binding (negative

cofactor 2) (DR1), 100 µg

Species: Human
Expression Host: HEK293T

**Expression cDNA Clone** >RC205733 protein sequence or AA Sequence: Red=Cloning site Green=Tags(s)

MASSSGNDDDLTIPRAAINKMIKETLPNVRVANDARELVVNCCTEFIHLISSEANEICNKSEKKTISPEH VIQALESLGFGSYISEVKEVLQECKTVALKRRKASSRLENLGIPEEELLRQQQELFAKARQQQAELAQQE

WLQMQQAQQAQLAAASASASNQAGSSQDEEDDDDI

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV** 

Tag: C-Myc/DDK
Predicted MW: 19.3 kDa

Concentration: >0.05 µg/µL as determined by microplate BCA method

**Purity:** > 80% as determined by SDS-PAGE and Coomassie blue staining

**Buffer:** 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol

**Preparation:** Recombinant protein was captured through anti-DDK affinity column followed by

conventional chromatography steps.

**Note:** For testing in cell culture applications, please filter before use. Note that you may experience

some loss of protein during the filtration process.

Storage: Store at -80°C.

Stability: Stable for 12 months from the date of receipt of the product under proper storage and

handling conditions. Avoid repeated freeze-thaw cycles.

RefSeq: NP 001929

**Locus ID:** 1810

**UniProt ID:** Q01658, Q658N3





RefSeq Size: 3222

Cytogenetics: 1p22.1 RefSeq ORF: 528

Synonyms: NC2; NC2-BETA; NC2B; NCB2

Summary: 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

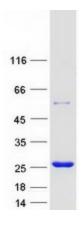
may establish a mechanism in which an altered DNA conformation, together with the

formation of higher order complexes, inhibits the assembly of the preinitiation complex and

controls the rate of RNA polymerase II transcription. [provided by RefSeq, Jul 2008]

**Protein Families:** Transcription Factors

## **Product images:**



Coomassie blue staining of purified DR1 protein (Cat# [TP305733]). The protein was produced from HEK293T cells transfected with DR1 cDNA clone (Cat# [RC205733]) using MegaTran 2.0 (Cat# [TT210002]).