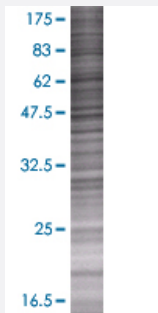


DR1 293T Cell Transient Overexpression Lysate(Denatured)

Catalog # H00001810-T01

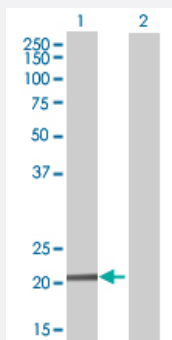
Size 100 uL

Applications



SDS-PAGE Gel

DR1 transfected lysate.



Western Blot

Lane 1: DR1 transfected lysate (19.47 KDa)

Lane 2: Non-transfected lysate.

Specification

Transfected Cell Line	293T
Plasmid	pCMV-DR1 full-length
Host	Human
Theoretical MW (kDa)	19.47
Interspecies Antigen Sequence	Mouse (99); Rat (99)

Quality Control Testing

Transient overexpression cell lysate was tested with Anti-DR1 antibody ([H00001810-B01](#)) by Western Blots.
 SDS-PAGE Gel
 DR1 transfected lysate.
 Western Blot
 Lane 1: DR1 transfected lysate (19.47 KDa)
 Lane 2: Non-transfected lysate.

Storage Buffer

1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)

Storage Instruction

Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot

Gene Info — DR1

Entrez GeneID

[1810](#)

GeneBank Accession#

[NM_001938.2](#)

Protein Accession#

[NP_001929.1](#)

Gene Name

DR1

Gene Alias

NC2, NC2-BETA

Gene Description

down-regulator of transcription 1, TBP-binding (negative cofactor 2)

Omim ID

[601482](#)

Gene Ontology

[Hyperlink](#)

Gene 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]

Other Designations

OTTHUMP00000012556|OTTHUMP00000012557|down-regulator of transcription 1

Disease

- [Alzheimer Disease](#)
- [Genetic Predisposition to Disease](#)