

Product datasheet for PH305733

OriGene Technologies, Inc.

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DR1 (NM_001938) Human Mass Spec Standard

Product data:

Product Type: Mass Spec Standards

Description: DR1 MS Standard C13 and N15-labeled recombinant protein (NP_001929)

Species:HumanExpression Host:HEK293

Expression cDNA Clone

RC205733

or AA Sequence: Predicted MW:

19.4 kDa

Protein Sequence: >RC205733 protein sequence

Red=Cloning site Green=Tags(s)

MASSSGNDDDLTIPRAAINKMIKETLPNVRVANDARELVVNCCTEFIHLISSEANEICNKSEKKTISPEH VIQALESLGFGSYISEVKEVLQECKTVALKRRKASSRLENLGIPEEELLRQQQELFAKARQQQAELAQQE

WLQMQQAAQQAQLAAASASASNQAGSSQDEEDDDDI

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag: C-Myc/DDK

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

Concentration: $>0.05 \mu g/\mu L$ as determined by microplate BCA method

Labeling Method: Labeled with [U- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-L-Lysine

Buffer: 25 mM Tris-HCl, 100 mM glycine, pH 7.3

Storage: Store at -80°C. Avoid repeated freeze-thaw cycles.

Stability: Stable for 3 months from receipt of products under proper storage and handling conditions.

RefSeq: NP 001929

RefSeq Size: 3222 RefSeq ORF: 528

Synonyms: NC2; NC2-BETA; NC2B; NCB2

Locus ID: 1810

UniProt ID: <u>Q01658</u>, <u>Q658N3</u>





Cytogenetics:

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

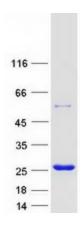
may establish a mechanism in which an altered DNA conformation, together with the formation of higher order complexes, inhibits the assembly of the preinitiation complex and

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

Protein Families: Transcription Factors

1p22.1

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]).