

Product datasheet for PH305733

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:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC205733
Predicted MW:	19.4 kDa
Protein Sequence:	>RC205733 protein sequence Red=Cloning site Green=Tags(s) MASSSGNDDDLTIPRAAINKMIKETLPNVRVANDARELVVNCCTEFIHLSISEANEICNKSEKKTISPEH VIQALESLGFGSYISEVKEVLQECKTVALKRRKASSRLENLGIPEEELLRQQQLFAKARQQQAELAQQE WLQMQLAAQQAQLAAASASASNQAGSSQDEEDDDDI TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL 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:	Q01658 , Q658N3



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Cytogenetics: 1p22.1

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]).