

Product datasheet for PH304170

ID4 (NM_001546) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	ID4 MS Standard C13 and N15-labeled recombinant protein (NP_001537)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC204170
Predicted MW:	16.4 kDa
Protein Sequence:	>RC204170 representing NM_001546 Red=Cloning site Green=Tags(s) MKAVSPVRPSGRKAPSGCGGELALRCLAEHGSLGGSAAAAAAAAAARCKAAEAAADEPALCLQCDMND CYSRLRRLVPTIPPNNKVKVEILQHVITYILDQLALETHPALLRQPPPPAPPHHPAGTCPAAPPRTP TALNTDPAGAVNKQGDSILCR TRTRPLEQKLI SEEDLAANDILDYKDDDDKV
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_001537
RefSeq Size:	2389
RefSeq ORF:	483
Synonyms:	bHLHb27; IDB4
Locus ID:	3400
UniProt ID:	P47928



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Cytogenetics: 6p22.3

Summary: This gene encodes a member of the inhibitor of DNA binding (ID) protein family. The encoded protein lacks DNA binding ability, and instead regulates gene expression through binding to and inhibiting basic helix-loop-helix transcription factors. This protein has been implicated in the regulation of diverse cellular processes that play a role in development and tumorigenesis. [provided by RefSeq, Aug 2017]

Protein Families: ES Cell Differentiation/IPS, Transcription Factors

Protein Pathways: TGF-beta signaling pathway

Product images:



Coomassie blue staining of purified ID4 protein (Cat# [TP304170]). The protein was produced from HEK293T cells transfected with ID4 cDNA clone (Cat# [RC204170]) using MegaTran 2.0 (Cat# [TT210002]).