

Product datasheet for PH305324

ID2 (NM_002166) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	ID2 MS Standard C13 and N15-labeled recombinant protein (NP_002157)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC205324
Predicted MW:	14.9 kDa
Protein Sequence:	>RC205324 protein sequence Red=Cloning site Green=Tags(s) MKAFSPVRSVRKNSLSDHSLGISRSKTPVDDPMSLLYNMDCYSKLELVPSIPQNKVKVSKMEILQHV IDYILDLQIALDSHPTIVSLHHQRPQGNQASRTPLTTLNTDISILSLQASEFPSELMNSDKALCG 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- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-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_002157
RefSeq Size:	1402
RefSeq ORF:	402
Synonyms:	bHLHb26; GIG8; ID2A; ID2H
Locus ID:	3398
UniProt ID:	Q02363 , Q53T66
Cytogenetics:	2p25.1



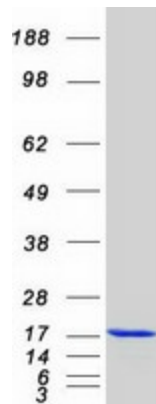
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Summary: The protein encoded by this gene belongs to the inhibitor of DNA binding family, members of which are transcriptional regulators that contain a helix-loop-helix (HLH) domain but not a basic domain. Members of the inhibitor of DNA binding family inhibit the functions of basic helix-loop-helix transcription factors in a dominant-negative manner by suppressing their heterodimerization partners through the HLH domains. This protein may play a role in negatively regulating cell differentiation. A pseudogene of this gene is located on chromosome 3. [provided by RefSeq, Aug 2011]

Protein Families: ES Cell Differentiation/IPS, Stem cell relevant signaling - TGFb/BMP signaling pathway, Transcription Factors

Protein Pathways: TGF-beta signaling pathway

Product images:



Coomassie blue staining of purified ID2 protein (Cat# [TP305324]). The protein was produced from HEK293T cells transfected with ID2 cDNA clone (Cat# [RC205324]) using MegaTran 2.0 (Cat# [TT210002]).