Product datasheet for PH300583

ID3 (NM_002167) Human Mass Spec Standard

Product data:

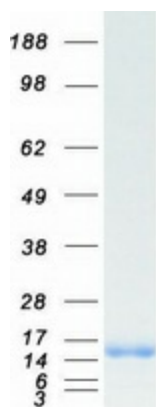|	
Product Type:	Mass Spec Standards
Description:	ID3 MS Standard C13 and N15-labeled recombinant protein (NP_002158)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC200583
Predicted MW:	13 kDa
Protein Sequence:	>RC200583 protein sequence Red=Cloning site Green=Tags(s) MKALSPVRGCYEAVCCLSERSLAIARGRGKGPAAEEPLSLLDDMNHCYSRLRELVPGVPRGTQLSQVEIL QRVIDYILDLQVVLAEPAPGPPDGPHLPIQTAELAPELVISNDKRSFCH 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_002158
RefSeq Size:	1252
RefSeq ORF:	357
Synonyms:	bHLHb25; HEIR-1
Locus ID:	3399
UniProt ID:	Q02535
Cytogenetics:	1p36.12

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Summary: The protein encoded by this gene is a helix-loop-helix (HLH) protein that can form heterodimers with other HLH proteins. However, the encoded protein lacks a basic DNA-binding domain and therefore inhibits the DNA binding of any HLH protein with which it interacts. [provided by RefSeq, Aug 2011]

Protein Families: Druggable Genome, ES Cell Differentiation/IPS, Transcription Factors

Protein Pathways: TGF-beta signaling pathway

Product images:

Coomassie blue staining of purified ID3 protein (Cat# [TP300583]). The protein was produced from HEK293T cells transfected with ID3 cDNA clone (Cat# [RC200583]) using MegaTran 2.0 (Cat# [TT210002]).