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Product datasheet for PH302061

ID1 (NM_002165) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	ID1 MS Standard C13 and N15-labeled recombinant protein (NP_002156)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC202061
Predicted MW:	16.1 kDa
Protein Sequence:	>RC202061 protein sequence Red=Cloning site Green=Tags(s) MKVASGSTATAAAGPSCALKAGKTASGAGEVVRCLSEQSVAISRCAGGAGARLPALLDEQQVNVLLYDMN GCYSRLKELVPTLPQNRKVSKVEILQHVIDYIRDLQLELNSESEVGTPGGRGLPVRAPLSTLNGEISALT AEAACVPADDRILCR 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_002156
RefSeq Size:	1000
RefSeq ORF:	465
Synonyms:	bHLHb24; ID
Locus ID:	3397
UniProt ID:	P41134

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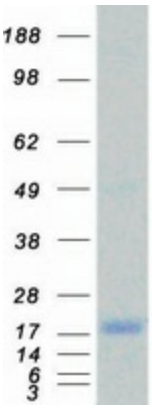
Cytogenetics: 20q11.21

Summary: The protein encoded by this gene is a helix-loop-helix (HLH) protein that can form heterodimers with members of the basic HLH family of transcription factors. The encoded protein has no DNA binding activity and therefore can inhibit the DNA binding and transcriptional activation ability of basic HLH proteins with which it interacts. This protein may play a role in cell growth, senescence, and differentiation. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2008]

Protein Families: Druggable Genome, Transcription Factors

Protein Pathways: TGF-beta signaling pathway

Product images:



Coomassie blue staining of purified ID1 protein (Cat# [TP302061]). The protein was produced from HEK293T cells transfected with ID1 cDNA clone (Cat# [RC202061]) using MegaTran 2.0 (Cat# [TT210002]).