

Product datasheet for PH300747

MAD3 (MXD3) (NM_031300) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	MXD3 MS Standard C13 and N15-labeled recombinant protein (NP_112590)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC200747
Predicted MW:	23.5 kDa
Protein Sequence:	>RC200747 protein sequence Red=Cloning site Green=Tags(s) MEPLASNIQVLLQAAEFLERREREAEHGYASLCPHRSPGPIHRRKKRPPQAPGAQDSGRSVHNELEKRRR AQLKRCLERLKQQMPLGADCARYTTL SLLRRARMHIQKLEDQEQRARQLKERLRSKQQSLQRQLEQLRGL AGAAERERLRADSLDSSGLSSERSDSDQEELVDVESLVFGGEAELLRGFVAGQEHSYSHGGGAWL 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_112590
RefSeq Size:	1483
RefSeq ORF:	618
Synonyms:	BHLHC13; MAD3; MYX
Locus ID:	83463
UniProt ID:	Q9BW11 , A0A024R7S0



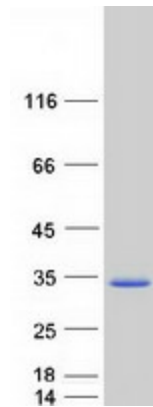
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Cytogenetics: 5q35.3

Summary: This gene encodes a member of the Myc superfamily of basic helix-loop-helix leucine zipper transcriptional regulators. The encoded protein forms a heterodimer with the cofactor MAX which binds specific E-box DNA motifs in the promoters of target genes and regulates their transcription. Disruption of the MAX-MXD3 complex is associated with uncontrolled cell proliferation and tumorigenesis. Transcript variants of this gene encoding different isoforms have been described.[provided by RefSeq, Dec 2008]

Protein Families: Druggable Genome, Transcription Factors

Product images:



Coomassie blue staining of purified MXD3 protein (Cat# [TP300747]). The protein was produced from HEK293T cells transfected with MXD3 cDNA clone (Cat# [RC200747]) using MegaTran 2.0 (Cat# [TT210002]).