

## Product datasheet for PH304290

### MMAB (NM\_052845) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	MMAB MS Standard C13 and N15-labeled recombinant protein (NP_443077)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC204290
Predicted MW:	27.4 kDa
Protein Sequence:	>RC204290 protein sequence Red=Cloning site Green=Tags(s)  MAVCGGLSRLGLGSRLLGRGCFGAARLLYPRFQSRGPQGVEDGDRPQPSSKTPRIPKIIYTKTGDKGFSST FTGERRPKDDQVFEAVGTTDELSSAIGFALELVTEKGHTFAEELQKIQCTLQDVGSAALATPCSSAREAHL KYTTFKAGPILELEQWIDKYTSQLPPLTAFILPSGGKISSALHFCRAVCRRAERRVPLVQMGETDANVA KFLNRLSDYLFTLARYAAMKEGNQEKIYMKNDPSAESEGL  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:	<a href="#">NP_443077</a>
RefSeq Size:	4154
RefSeq ORF:	750
Synonyms:	ATR; cbIB; CFAP23; cob
Locus ID:	326625
UniProt ID:	<a href="#">Q96EY8</a>



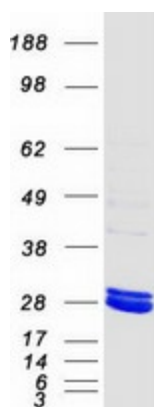
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Cytogenetics: 12q24.11

**Summary:** This gene encodes a protein that catalyzes the final step in the conversion of vitamin B(12) into adenosylcobalamin (AdoCbl), a vitamin B12-containing coenzyme for methylmalonyl-CoA mutase. Mutations in the gene are the cause of vitamin B12-dependent methylmalonic aciduria linked to the cblB complementation group. Alternatively spliced transcript variants have been found. [provided by RefSeq, Apr 2011]

**Protein Pathways:** Metabolic pathways, Porphyrin and chlorophyll metabolism

### Product images:



Coomassie blue staining of purified MMAB protein (Cat# [TP304290]). The protein was produced from HEK293T cells transfected with MMAB cDNA clone (Cat# [RC204290]) using MegaTran 2.0 (Cat# [TT210002]).