

## Product datasheet for PH305659

### Proapoptotic Caspase Adaptor Protein (MZB1) (NM\_016459) Human Mass Spec Standard

#### Product data:

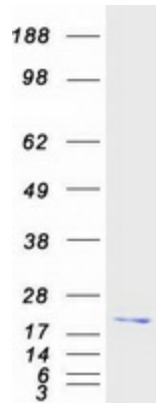
Product Type:	Mass Spec Standards
Description:	MGC29506 MS Standard C13 and N15-labeled recombinant protein (NP_057543)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC205659
Predicted MW:	20.7 kDa
Protein Sequence:	<p>&gt;RC205659 protein sequence</p> <p>Red=Cloning site Green=Tags(s)</p> <p>MRLSLPLLLLLLGAWAIPGGLGDRAPLTATAPQLDDEEMYSAHMPAHLRCDACRAVAYQMWNLAETK            LHTSNSGGRRELSELVYTDVLDRSCSRNWQDYGVREVDQVKRLTGPGLSEGPEPSISVMVTGGPWPTRLS            RTCLHYLGEFGEDIYEAHQGRGALEALLCGGPQGACSEKVSATREEL</p> <p>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</p>
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- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>4</sub> ]-L-Arginine and [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>2</sub> ]-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_057543</a>
RefSeq Size:	845
RefSeq ORF:	567
Synonyms:	MEDA-7; PACAP; pERp1
Locus ID:	51237
UniProt ID:	<a href="#">Q8WU39</a>


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**Cytogenetics:** 5q31.2

**Summary:** Associates with immunoglobulin M (IgM) heavy and light chains and promotes IgM assembly and secretion. May exert its effect by acting as a molecular chaperone or as an oxidoreductase as it displays a low level of oxidoreductase activity (By similarity). Isoform 2 may be involved in regulation of apoptosis. Helps to diversify peripheral B-cell functions by regulating Ca(2+) stores, antibody secretion and integrin activation.[UniProtKB/Swiss-Prot Function]

**Product images:**



Coomassie blue staining of purified MZB1 protein (Cat# [TP305659]). The protein was produced from HEK293T cells transfected with MZB1 cDNA clone (Cat# [RC205659]) using MegaTran 2.0 (Cat# [TT210002]).