

## Product datasheet for PH305922

### MTP18 (MTFP1) (NM\_016498) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	MTP18 MS Standard C13 and N15-labeled recombinant protein (NP_057582)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC205922
Predicted MW:	18 kDa
Protein Sequence:	>RC205922 protein sequence Red=Cloning site Green=Tags(s)  MSEPQPRGAERDLYRDTWRYLGYANEVGEAFRSLVPAAVVWLSYGVASSYVLADAIDKGGKAGEVPSPE AGRSARVTVAVVDTFVWQALASVAIPGFTINRVCAASLYVLGTATRWPLAVRKWTTTALGLLTIPIIIHP IDRSVDFLLDSSLRKLKLYPTVGKPSSS  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- <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_057582</a>
RefSeq Size:	1298
RefSeq ORF:	498
Synonyms:	HSPC242; MTP18
Locus ID:	51537
UniProt ID:	<a href="#">Q9UDX5</a> , <a href="#">A0A024R1E4</a>

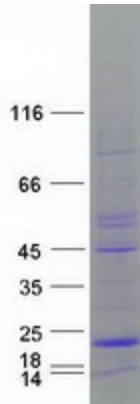


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Cytogenetics: 22q12.2

Summary: MTP18 is a mitochondrial protein and downstream target of the phosphatidylinositol 3-kinase (see PIK3CA, MIM 171834) signaling pathway that plays a role in cell viability and mitochondrial dynamics (Tondera et al., 2004 [PubMed 15155745]).[supplied by OMIM, Mar 2008]

### Product images:



Coomassie blue staining of purified MTFP1 protein (Cat# [TP305922]). The protein was produced from HEK293T cells transfected with MTFP1 cDNA clone (Cat# [RC205922]) using MegaTran 2.0 (Cat# [TT210002]).