

## Product datasheet for PH307233

### DTD1 (NM\_080820) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	DTD1 MS Standard C13 and N15-labeled recombinant protein (NP_543010)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC207233
Predicted MW:	23.4 kDa
Protein Sequence:	>RC207233 protein sequence <b>Red</b> =Cloning site <b>Green</b> =Tags(s)  MKAVVQRVTRASVTVGGEQISAIGRGICVLLGISLEDTQKELEHMVRKILNLRVFEDESGBKHWSKSVMDK QYEILCVSQFTLQCVLKGNKPDFNLAMPTEQAEGFYNSFLEQLRKTYRPELIKDGKFGAYMQVHIQNDGP VTIELESPAPGTATSDPKQLSKLEKQQQRKEKTRAKGPSESSKERNTPRKEDRSASSGAEGDVSSSEREP  <b>TR</b> TRPLEQKLISEEDLAANDILDYKDDDDKV
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_543010</a>
RefSeq Size:	1368
RefSeq ORF:	627
Synonyms:	C20orf88; DTD; DUE-B; DUEB; HARS2; pqn-68
Locus ID:	92675
UniProt ID:	<a href="#">Q8TEA8</a>

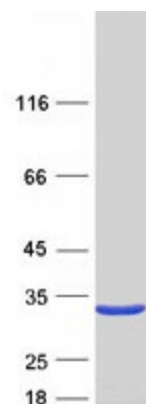


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Cytogenetics: 20p11.23

**Summary:** The protein encoded by this gene is similar in sequence to histidyl-tRNA synthetase, which hydrolyzes D-tyrosyl-tRNA(Tyr) into D-tyrosine and free tRNA(Tyr). The encoded protein binds the DNA unwinding element and plays a role in the initiation of DNA replication. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Dec 2015]

**Product images:**



Coomassie blue staining of purified DTD1 protein (Cat# [TP307233]). The protein was produced from HEK293T cells transfected with DTD1 cDNA clone (Cat# [RC207233]) using MegaTran 2.0 (Cat# [TT210002]).