

## Product datasheet for PH305583

### ADO (NM\_032804) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	ADO MS Standard C13 and N15-labeled recombinant protein (NP_116193)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC205583
Predicted MW:	29.9 kDa
Protein Sequence:	>RC205583 protein sequence Red=Cloning site Green=Tags(s)  MPRDNMASLIQRIARQAQLTFRGSWGGRGASDRDAASGAEAPMQPGFPENLSKLSLLTQLRAEDLNIAPI RKATLQPLPPNLPVVTYMHYETDGFSLGVFLKSGTSLPLHDHPGMHGMLKVL YGTVRISCMDKLDAGG GQRPRALPPEQQFEPPLQPREREAVRPGVLRSAEYTEASGPCILTPHRDNLHQIDAVEGPAFLDILAP PYDPDDGRDCHYYRVLEPVRPKEASSSACDLPREVWLLLETPQADDFWCEGEPYPGPKVFP  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_116193</a>
RefSeq Size:	3739
RefSeq ORF:	810
Synonyms:	C10orf22
Locus ID:	84890
UniProt ID:	<a href="#">Q96SZ5</a> , <a href="#">B3KXN9</a>



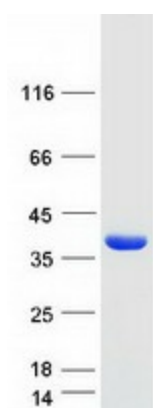
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**Cytogenetics:** 10q21.3

**Summary:** Human thiol dioxygenases include cysteine dioxygenase (CDO; MIM 603943) and cysteamine (2-aminoethanethiol) dioxygenase (ADO; EC 1.13.11.19). CDO adds 2 oxygen atoms to free cysteine, whereas ADO adds 2 oxygen atoms to free cysteamine to form hypotaurine (Dominy et al., 2007 [PubMed 17581819]).[supplied by OMIM, Mar 2008]

**Protein Pathways:** Metabolic pathways, Taurine and hypotaurine metabolism

### Product images:



Coomassie blue staining of purified ADO protein (Cat# [TP305583]). The protein was produced from HEK293T cells transfected with ADO cDNA clone (Cat# [RC205583]) using MegaTran 2.0 (Cat# [TT210002]).