

## Product datasheet for PH302938

### AMPD2 (NM\_139156) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	AMPD2 MS Standard C13 and N15-labeled recombinant protein (NP_631895)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC202938
Predicted MW:	92.1 kDa
Protein Sequence:	>RC202938 protein sequence Red=Cloning site Green=Tags(s)

MASEARGGLGAPPLQSARSLPGPAPCLKHFPDLRLTSMGKCKEIAEELFTRSLAESELRSAPYEFPEES  
PIEQLEERRQLERQISQDVKLEPDILLRAKQDFLKTDSDDLQLYKEQGEGQGDRLRERDVLEREFQR  
VTISGEEKCGVPFTDLLDAAKSVVRALFIREKYMALSLQSFCTTRRYLQQLAEKPLETRTYEQGPDTPV  
SADAPVHPPALEQHPYEHCEPSTMPGDLGLGLRMVRGVVHVYTRREPDEHCSEVELPYPDLQEFVADVNV  
LMALIINGPIKSFYRRLQYLSSKFQMHVLLNEMKELAAQKVPHRDFYNIKVDTHIHASSCMNQKHL  
RFIKRAMKRHLEEIVHVEQGREQTLREVFESMNL TAYDLSVDTLDVHADRNTHFRFDKFNAYNPIGESV  
LREIFIKTDNRVSGKYFAHI IKEVMSDLEESKYQNAELRLSIYGRSRDEWDLARWAVMHRVHSPNVRWL  
VQVPRLFDVYRTKQLANFQEMLENI FLPLFEATVHPASHPHELHLFLEHVDGFDSDDESKPENHVFNLE  
SPLPEAWVEEDNPPYAYLYYTFANMAMLNHLRRQRFHTFVLRPHCGEAGPIHHLVSAFMLAENISHGL  
LLRKAPVLQYLYLAQIGIAMSPLSNNSLFLSYHRNPLPEYLSRGLMVSLSTDDPLQFHFTKEPLMEEYS  
IATQVWKLSSCDMCELARNSVLSMGSFHKVKSOWLGPNTYKEGPEGNDIRRTNVPDIRVGYRYETLQCQL  
ALITQAVQSEMLETIPPEEAGITMSPGPQ

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_631895</a>



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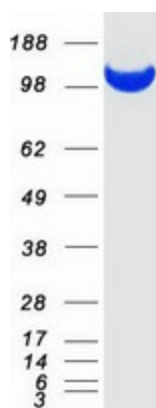
RefSeq Size: 3785  
RefSeq ORF: 2394  
Synonyms: PCH9; SPG63  
Locus ID: 271  
UniProt ID: [Q01433](#), [Q01433-2](#)  
Cytogenetics: 1p13.3

**Summary:** The protein encoded by this gene is important in purine metabolism by converting AMP to IMP. The encoded protein, which acts as a homotetramer, is one of three AMP deaminases found in mammals. Several transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Apr 2012]

**Protein Families:** Druggable Genome

**Protein Pathways:** Metabolic pathways, Purine metabolism

### Product images:



Coomassie blue staining of purified AMPD2 protein (Cat# [TP302938]). The protein was produced from HEK293T cells transfected with AMPD2 cDNA clone (Cat# [RC202938]) using MegaTran 2.0 (Cat# [TT210002]).