

## Product datasheet for PH306021

### APPL (APPL1) (NM\_012096) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	APPL1 MS Standard C13 and N15-labeled recombinant protein (NP_036228)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC206021
Predicted MW:	79.7 kDa
Protein Sequence:	>RC206021 protein sequence Red=Cloning site Green=Tags(s)

MPGIDKLP I E E T L E D S P Q T R S L L G V F E E D A T A I S N Y M N Q L Y Q A M H R I Y D A Q N E L S A A T H L T S K L L K E Y E K  
Q R F P L G G D D E V M S S T L Q Q F S K V I D E L S S C H A V L S T Q L A D A M M F P I T Q F K E R D L K E I L T L K E V F Q I A S N D H  
D A A I N R Y S R L S K K R E N D K V K Y E V T E D V Y T S R K K Q H Q T M M H Y F C A L N T L Q Y K K I A L L E P L L G Y M Q A Q I S F  
F K M G S E N L N E Q L E E F L A N I G T S V Q N V R R E M D S D I E T M Q Q T I E D L E V A S D P L Y V P D P D P T K F P V N R N L T R K  
A G Y L N A R N K T G L V S S T W D R Q F Y F T Q G G N L M S Q A R G D V A G G L A M D I D N C S V M A V D C E D R R Y C F Q I T S F D G K  
K S S I L Q A E S K K D H E E W I C T I N N I S K Q I Y L S E N P E E T A A R V N Q S A L E A V T P S P S F Q Q R H E S L R P A A G Q S R P  
P T A R T S S S G S L G S E S T N L A A L S L D S L V A P D T P I Q F D I I S P V C E D Q P G Q A K A F G Q G R R T N P F G E S G G S T K  
S E T E D S I L H Q L F I V R F L G S M E V K S D D H P D V V Y E T M R Q I L A A R A I H N I F R M T E S H L L V T C D C L K L I D P Q T Q  
V T R L T F P L P C V V L Y A T H Q E N K R L F G F V L R T S S G R S E S N L S S V C Y I F E S N N E G E K I C D S V G L A K Q I A L H A E  
L D R R A S E K Q K E I E R V K E K Q Q K E L N K Q K Q I E K D L E E Q S R L I A A S S R P N Q A S S E G Q F V V L S S S Q S E S D L G E  
G G K K R E S E A

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

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_036228</a>



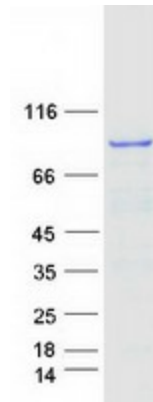
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RefSeq Size:	6061
RefSeq ORF:	2127
Synonyms:	APPL; DIP13alpha; MODY14
Locus ID:	26060
UniProt ID:	<a href="#">Q9UKG1</a>
Cytogenetics:	3p14.3

**Summary:** The protein encoded by this gene has been shown to be involved in the regulation of cell proliferation, and in the crosstalk between the adiponectin signalling and insulin signalling pathways. The encoded protein binds many other proteins, including RAB5A, DCC, AKT2, PIK3CA, adiponectin receptors, and proteins of the NuRD/MeCP1 complex. This protein is found associated with endosomal membranes, but can be released by EGF and translocated to the nucleus. [provided by RefSeq, Jul 2008]

**Protein Pathways:** Colorectal cancer, Pathways in cancer

### Product images:



Coomassie blue staining of purified APPL1 protein (Cat# [TP306021]). The protein was produced from HEK293T cells transfected with APPL1 cDNA clone (Cat# [RC206021]) using MegaTran 2.0 (Cat# [TT210002]).