

## Product datasheet for **TP306021M**

### APPL (APPL1) (NM\_012096) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human adaptor protein, phosphotyrosine interaction, PH domain and leucine zipper containing 1 (APPL1), 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA	>RC206021 protein sequence
Clone or AA Sequence:	Red=Cloning site Green=Tags(s)

MPGIDKLPHEETLEDSPQTRSLGVEEDATAISNYMNQLYQAMHRIYDAQNELSAATHLTSKLLKEYEK  
QRFPLGGDDEVMSSTLQQFSKVIDELSSCHAVLSTQLADAMMFITQFKERDLKEITLKEVFQIASNDH  
DAAINRYSRLSKKRENDKVKYEVTEDEVYTSRKKQHQTMMHYFCALNTLQYKFKIALLEPLLGYMQAQISF  
FKMGSENLNEQLEEFANIGTQSVQNVREMSDIETMQQTIEDLEVASDPLYVDPDPTKFPVNRNLTRK  
AGYLNARNKTGLVSSTWDRQFYFTQGGNLMSQARGDVAGGLAMDIDNCSVMAVDCEDRRYCFQITSFDGK  
KSSILQAESKKDHEEWICTINNISKQIYLSNPEETAARVNQSALEAVTPSPSFQQRHESLRPAAGQSRP  
PTARTSSSGSLGSESTNLAALSLDSLVPDTPIQFDIISPVCEQPGQAKAFGGRRTPFGESGGSTK  
SETEDSILHQLFIVRFLGSMVEVKSDDHPDVVYETMRQILAAARAIHNIFRMTESHLLVTCCLKLIDPQTQ  
VTRLTFPLPCVWLYATHQENKRLFGFVLRSSGRSENLSSVCYIFESNNEGEKICDSVGLAKQIALHAE  
LDRRASEKQKEIERVKEKQKQKELNKQKQIEKDLEEQSRLIAASSRPNQASSEGGFVLLSSSQSEESDLGE  
GGKKRESEA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

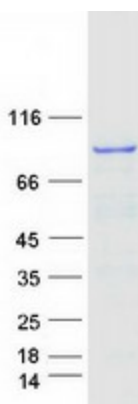
Tag:	C-Myc/DDK
Predicted MW:	79.5 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.



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<b>Storage:</b>	Store at -80°C.
<b>Stability:</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>RefSeq:</b>	<a href="#">NP_036228</a>
<b>Locus ID:</b>	26060
<b>UniProt ID:</b>	<a href="#">Q9UKG1</a>
<b>RefSeq Size:</b>	6061
<b>Cytogenetics:</b>	3p14.3
<b>RefSeq ORF:</b>	2127
<b>Synonyms:</b>	APPL; DIP13alpha; MODY14
<b>Summary:</b>	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]
<b>Protein Pathways:</b>	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]).