

## Product datasheet for PH311307

### Pumilio 2 (PUM2) (NM\_015317) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	PUM2 MS Standard C13 and N15-labeled recombinant protein (NP_056132)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC211307
Predicted MW:	113.8 kDa
Protein Sequence:	>RC211307 representing NM_015317 Red=Cloning site Green=Tags(s)

MNHDFQALALESRGMGELLPTKKFWEPDDSTKDGQKGFIFLGDDREWRETAWGASHHMSQPIMVQRRSQQG  
FHGNSEVNAILSPRSESGGLGVSMEVYVLS SSPADKLD SFRKGNFGTRDAETDGPEKGDQK GKASPFEE  
DQNRDLKQGDDDDSKINGRGLPNGMDADCKDFNRTPGSRQASPTVEVVERLGPNTNPSEGLGPLPNPTANK  
PLVEEFSNPETQNL DAMEQVGLLES LQFDYPGNQVPM DSSGATVGLFDYNSQQQLFQRTNALTVQQLTAAQ  
QQQYALAAAQQPHIAGVFSAGLAPAAFVNPYII SAAPP GTDPYTAAGLAAAATLAGPAVVPQYYGV PW  
GVYPANLFQQQAAAAANNTASQQAASQAQPGQQQVLRAGAGQRPLTPNQGGQQQAESLAAAAANPTLA  
FGQGLATGMPGYQLAPTAYDQTGALVVGPGARTGLGAPVRLMAPTPVLISSAAAQAAAAAAGGTASS  
LTGSTNGLFRPIGTQPPQQQQQPSTNLQSN SFY GSSSL TSSSQSSSLF SHGPGQPGSTSLGFGSGNSLG  
AAIGSALSGFGSSVGSASSSATRRESLSTSSDLYKRSSSLAPIGQPFYNSLGFSSSPSPIGMPLPSQT  
PGHSLTPPPSLSSHGSSSLHLGGLTNGSGRYISAAPGAEAKYRSASSTSSLFSSSSQLFPPSRLRYNRS  
DIMP SGRSRLLED FRNNRFPNLQLRDLIGHIVEFSQDQHGSRFIQKLERATPAERQMV FNEILQAA YQL  
MTDVFGNYVIQKFF EFGSLDQKLALATRIRGHVLPALQMYGCRVIQKAL ESISDQ QSEMVKELDGHVL  
KCVKDQNGNHVVQKCI ECVPQSLQF IIDAFKQGVFLSTHPYGC RVIQRILEHCTAEQTLPIEELHQH  
TEQLVQDQYGNVIQHVLEHGRPEDKSKIVSEIRGKVLALSQHKFASNVVEKCVTHASRAERALLIDEVC  
CQNDGPHSALYTMKQDYANYVVQK MIDMAEPAQRKIIMHKIRPHITTLRKYTYGKHILAKLEKYLLKNS  
PDLGPIGGPPNGML

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

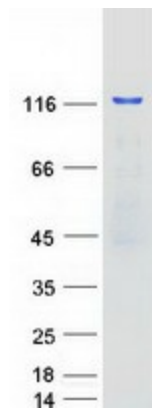
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>4</sub> ]-L-Arginine and [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>2</sub> ]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3



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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_056132</a>
RefSeq Size:	6111
RefSeq ORF:	3192
Synonyms:	PUMH2; PUML2
Locus ID:	23369
UniProt ID:	<a href="#">Q8TB72</a>
Cytogenetics:	2p24.1
Summary:	This gene encodes a protein that belongs to a family of RNA-binding proteins. The encoded protein functions as a translational repressor during embryonic development and cell differentiation. This protein is also thought to be a positive regulator of cell proliferation in adipose-derived stem cells. Alternate splicing results in multiple transcript variants. [provided by RefSeq, Sep 2013]

### Product images:



Coomassie blue staining of purified PUM2 protein (Cat# [TP311307]). The protein was produced from HEK293T cells transfected with PUM2 cDNA clone (Cat# [RC211307]) using MegaTran 2.0 (Cat# [TT210002]).