

## Product datasheet for PH319319

### RPP40 (NM\_006638) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	RPP40 MS Standard C13 and N15-labeled recombinant protein (NP_006629)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC219319
Predicted MW:	41.7 kDa
Protein Sequence:	>RC219319 representing NM_006638 Red=Cloning site Green=Tags(s)

MATLRRRLREAPRHLLVCEKSNFGNHKSRHRHLVQTHYYNYRVSFLIPECGILSEELKNLVMNTGPYYFVK  
NLPLHELITPEFISTFIKKGSCYALTYNTHIDEDNTVALLPNGKLILSLDKDYEETGLQGHP SQFSGRK  
IMKFIVSIDLMELSLNLD SKKYERISWSFKEKKPLKFDLAWHKTGSEESTMMSYFSKYQIQEHQPKVA  
LSTLRDLQCPVLQSSELEGTPEVSCRALELFDWLGAVFSNVDLNNEPNNFISTYCCPEPSTVVAKAYLCT  
ITGFILPEKICLLLEHLCHYFDEPKLAPWVTL SVQGFADSPVSWEKNEHGFRKGG EHL YNFVIFNNQDYW  
LQMAVGANDHCPP

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:	<u>NP_006629</u>
RefSeq Size:	1174
RefSeq ORF:	1089
Synonyms:	bA428j1.3; RNASEP1
Locus ID:	10799



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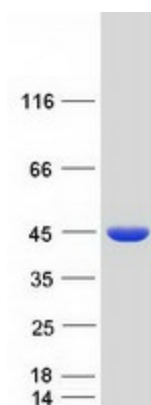
UniProt ID: [O75818](#)

Cytogenetics: 6p25.1

Summary: Component of ribonuclease P, a ribonucleoprotein complex that generates mature tRNA molecules by cleaving their 5'-ends (PubMed:9630247, PubMed:30454648). Also a component of the MRP ribonuclease complex, which cleaves pre-rRNA sequences (PubMed:28115465). [UniProtKB/Swiss-Prot Function]

Protein Families: Stem cell - Pluripotency

### Product images:



Coomassie blue staining of purified RPP40 protein (Cat# [TP319319]). The protein was produced from HEK293T cells transfected with RPP40 cDNA clone (Cat# [RC219319]) using MegaTran 2.0 (Cat# [TT210002]).