

## Product datasheet for PH300582

### RPP20 (POP7) (NM\_005837) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	POP7 MS Standard C13 and N15-labeled recombinant protein (NP_005828)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC200582
Predicted MW:	15.7 kDa
Protein Sequence:	>RC200582 protein sequence <b>Red</b> =Cloning site <b>Green</b> =Tags(s)  MAENREPRGAVEAELDPVEYTLRKRLPSRLPRRPNDIYVNMKTDFAQLARCQKLLDGGARGQNACSEIY IHGLGLAINRAINIALQLQAGSFGSLQVAANTSTVELVDELEPETDTREPLTRIRNNSAIHIRVFRVTPK  <b>SGP</b> TRTRPLEQKLI <b>SEEDLAANDILDYKDDDDKV</b>
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_005828</a>
RefSeq Size:	949
RefSeq ORF:	420
Synonyms:	0610037N12Rik; RPP2; RPP20
Locus ID:	10248
UniProt ID:	<a href="#">O75817</a>
Cytogenetics:	7q22.1

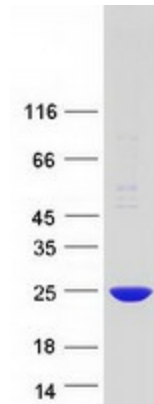


[View online »](#)

**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 POP7 protein (Cat# [TP300582]). The protein was produced from HEK293T cells transfected with POP7 cDNA clone (Cat# [RC200582]) using MegaTran 2.0 (Cat# [TT210002]).